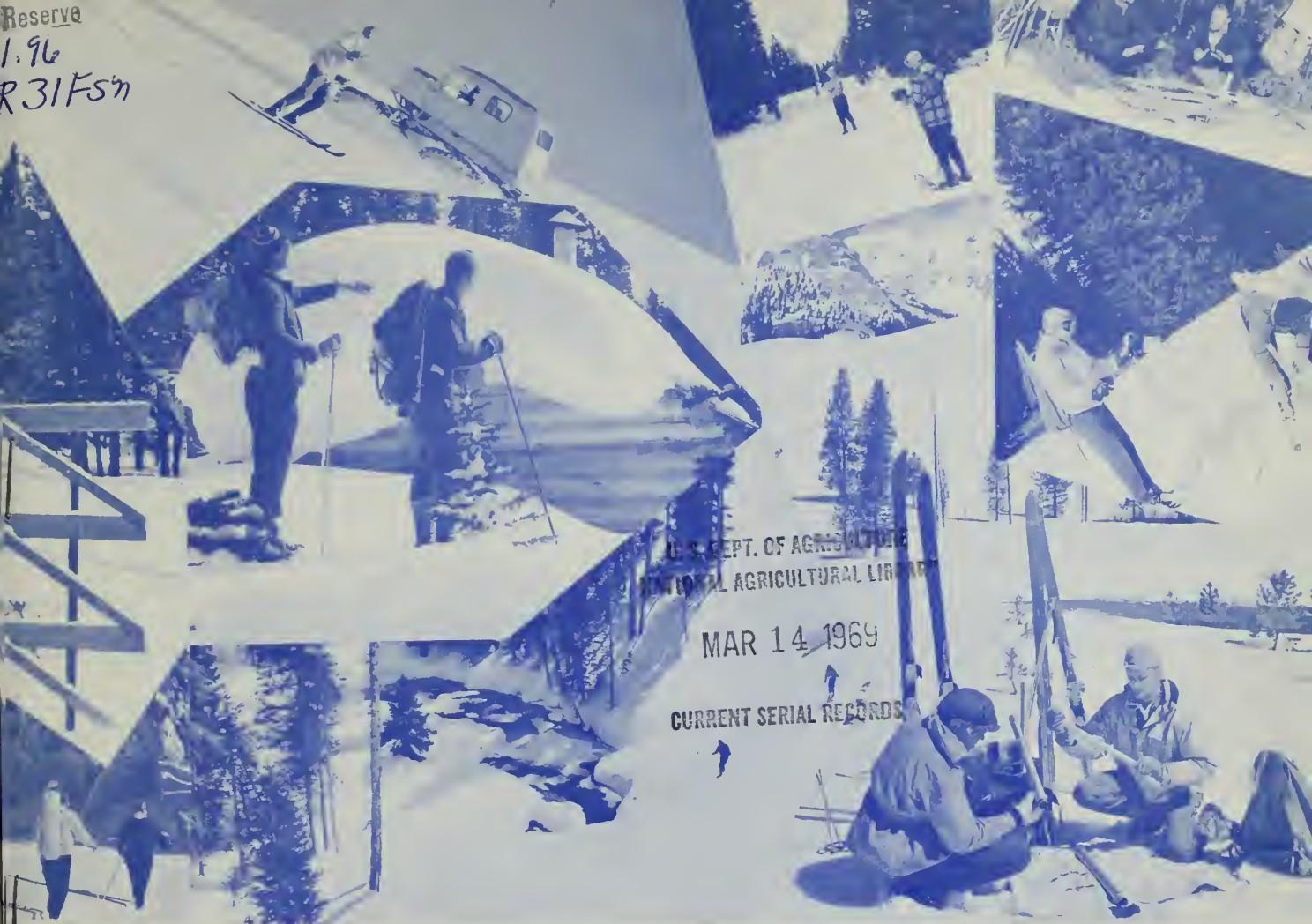


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MAR 14 1969

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# **WATER SUPPLY OUTLOOK FOR NEVADA**

and  
**FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS**

**UNITED STATES DEPARTMENT of AGRICULTURE - SOIL CONSERVATION SERVICE.**

and

**NEVADA DEPARTMENT of CONSERVATION and NATURAL RESOURCES**  
**DIVISION of WATER RESOURCES**

Data included in this report were obtained by the agencies named above  
in cooperation with Federal, State and private organizations listed on  
the last page of this report.

AS OF  
**MAR. 1, 1969**

## TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

## PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85205
Colorado (N. Mex.)	12417 Federal Building, Denver, Colorado 80521
Idaho	P. O. Box 38, Boise, Idaho 83707
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Building, Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 340, Casper, Wyoming 82602

## PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



# **WATER SUPPLY OUTLOOK FOR NEVADA**

and  
**FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS**

*Issued by*

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SOIL CONSERVATION SERVICE  
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*Report prepared by*

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# ALPHABETICAL INDEX TO NEVADA SNOW COURSES

This alphabetical tabulation of snow courses has been prepared to provide readers with rapid access to basic snow survey data. The reader is referred to the "Index to Nevada Snow Courses by basins" and "Nevada Snow Courses" map on the next page for other detailed information such as location, elevation, basin and sub-basin, state and numbering system legend.

SNOW COURSE	NO.	PLATE	SNOW COURSE	NO.	PLATE
American Beauty	15J17a	7, 10	Lamoille #3	15J6M	7, 10
Baker #1	14L1	6	Lamoille #4	15J7	7, 10
Baker #2	14L2	6	Lamoille #5	15J8	7, 10
Baker #3	14L3	6	Lapon Meadow	18L1	4
Bald Mountain	19H1	12	Laurel Draw	16H5	9
Barber Creek	20H5	12	Leavitt Meadows	19L8	4
Bear Creek	15H1MA	9	Lee Canyon #2	15N3	5
Berry Creek	14K2	6	Lee Canyon #3	15N8	5
Big Bend	15H4MP	9, 10	Little Bally Mtn.	19H4a	12
Big Creek Campground	17K1	5	Little Valley	19K3	1
Big Creek Mine	17K2	5	Lobdell Lake	19L17a	4
Big Creek, Upper	17K3	5	Louse Canyon	17G4a	11
Bird Creek	14K1	6	Lower Corral	17L1	5
Blue Lakes	19L5	2, 3	Marlette Lake	19K4M5TZ	1, 2
Boca #2	20K14	1, 3	Martin Creek	17H3	11
Brockway Summit	20K22	1	Mathew Canyon	14M1	5
Buckeye Forks	19L11	4	Merritt Mtn.	15H20	9
Buckeye Roughs	19L10	4	Midas	16H3AP	9, 10
Buckskin, Lower	17H2	10, 11	Montgomery Pass	18M1	5
Buckskin, Upper	17H1	10, 11	Mt. Grant	18L2	4
Campito Mountain	18M2	5	Mt. Rose	19K2	1
Carson Pass, Upper	19L4	2, 3	Murray Summit	14K3	6
Cave Creek	15J13	7, 10	Oregon Canyon	17G5a	11
Cedar Pass	20H6	12	Pinchot Creek	18M3a	5
Center Mountain	19L12A	4	Pine Canyon	14M2	5
Chiatovich Flat	18M5	5	Piute Pass	18M4a	5
Clark Canyon	15N2	5	Poison Flat	19L6A	2, 3
Clear Creek	19K5	2, 3	Pole Canyon	15J18a	8, 10
Columbia Basin	16H6a	9	Pole Creek R. S.	15H14	8
Corral Canyon	15J12A	7, 10	Quinn Ridge	17H6a	11
Daggetts Pass	19L14	1, 2, 3	Rainbow Canyon #2	15N7	5
Denio Creek	18G6a	11	Red Point	15H18a	8
Disaster Peak	18H1	11	Reservation Creek	20H4	12
Dismal Swamp	20H3a	12	Richardsons #2	20L3	1
Donner Park #2	20K21	1	Robinson Lake	15J16a	7, 10
Donner Summit	20K10	1, 3	Robinson Summit	15K1	6
Dorsey Basin	15J1MP	7, 10	Rodeo Flat	15H6MP	9, 10
Dry Creek	15J3	7, 10	Rubicon #1	20L1	1
Eagle Peak	20H7	12	Rubicon #2	20L2	1
Ebbets Pass	19L19a	2	Ryan Ranch	15J2	7, 10
Echo Summit	20L5	1, 2, 3	Saga Hen Creek	20K6	1, 3
Fawn Creek	16H8a	9, 10	76 Creek	15H3A	9, 10
Fordyce Lake	20K7	1, 3	Silver Creek #2	14K7	6
49-Mtn.	19H3	12	Sonora Pass	19L7M	2, 3, 4
Fox Creek	15H2	9	Sonora Pass Snowpillow	19L23sz	2, 3, 4
Freel Bench	19L2	1	Squaw Valley #2	20K19	1
Fry Canyon	15H7	10	Stag Mtn.	15H19a	9, 10
Furnace Flat	20K8	1, 3	Tahoe City	20K16	1, 3
Glenbrook #2	19K6	1, 2	Taylor Canyon	15H9MP	9, 10
Goat Creek	15H13	8	Tioga Pass	19M1	4
Golconda #2	17J2	10	Toe Jam	16H7a	9
Gold Creek	15H5	9, 10	Tremewan Ranch	15H8	9, 10
Granite Peak	17H4	11	Trough Springs	15N1	5
Green Mountain	15J9MP	7, 10	Trout Creek	18G5a	11
Hagans Meadow	19L3M5Z	1, 3	Trout Creek, Lower	15H10P	7, 10
Hager Canyon	15J14	6, 7, 10	Trout Creek, Upper	15H11A	7, 10
Harrison Pass #1	15J10	7, 10	Truckee #2	20K13M	1
Harrison Pass #2	15J11	7, 10	Upper Corral	17L2	5
Hays Canyon	19H2	12	Upper Fish Valley	19L16a	2
Hole-In-Mountain	15J15	7, 10	Upper Truckee	19L1	1
Hummingbird Springs	15H15A	8	Virginia Lakes	19L13M	4
Independence Camp	20K4MPSTZ	1, 3	Virginia Lakes 5 Snowpillow	19L22sz	4
Independence Creek	20K3	1			
Independence Lake	20K5	1			
Jack Creek, Lower	16H1M	9	Ward Creek	20K17M	1, 3
Jack Creek, Upper	16H2A	9	Ward Creek #2	20K25STZ	1, 3
Jacks Peak	16H4	9	Ward Mountain #2	14K5	6
Kalamazoo Creek	14K8	6	Webber Lake	20K2	1
Kyle Canyon	15N5	5	Webber Peak	20K1	1
Lake Lucille	20L4	1	Wet Meadows Lake	19L18a	2
Lamance Creek	17H5	10, 11	White River #1	15L1	6
Lamoille #1	15J4	7, 10	Willow Flat	19L9	4
Lamoille #2	15J5	7, 10	Wolf Creek	19L20a	2

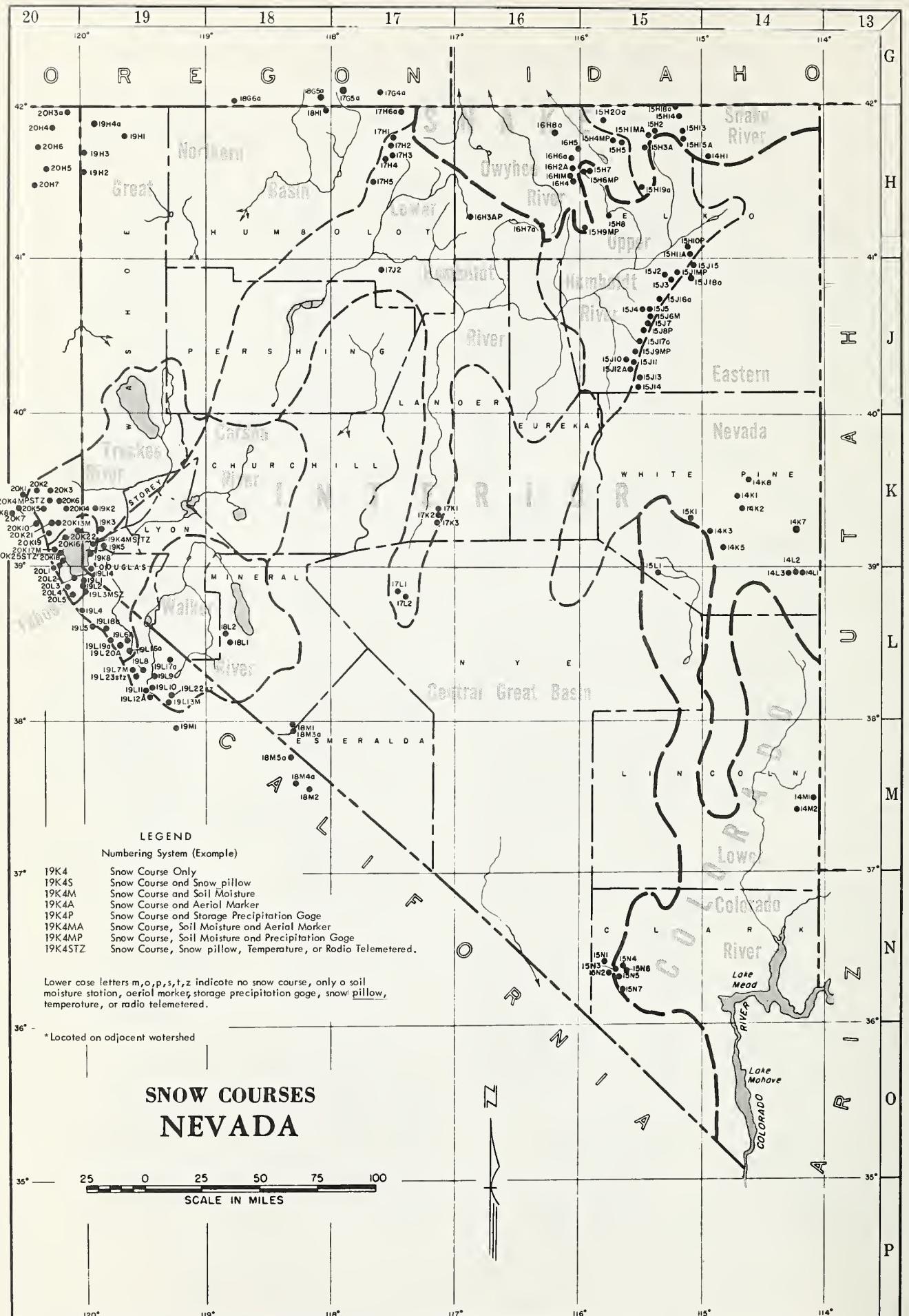
# INDEX TO NEVADA SNOW COURSES

( By Basins )

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.	NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
<b>SNAKE RIVER BASIN</b>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
15H1MA	BEAR CREEK	31	46N	58E	7800	19L14	OAGGETTS PASS	19	13N	19E	7350																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
15H2	FOX CREEK	33	46N	58E	6800	20L5	ECHO SUMMIT (CAL.)	6	11N	18E	7450																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
15H13	GOAT CREEK	31	46N	60E	8800	19L2	FREEL BENCH (CAL.)	36	12N	18E	7300																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
15H15A	HUMMINGBIRD SPRINGS	6	45N	60E	8945	19K6	GLENBROOK #2	13	14N	18E	6900																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
14H1	JAKES CREEK	6	42N	62E	7000	19L3M5Z	HAGANS MEADOW (CAL.)	36	12N	18E	8000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
15H20a	MERITT MOUNTAIN	10	46N	54E	7000	20L4	LAKE LUCILLE (CAL.)	28	12N	17E	8200																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
15H14	POLE CREEK RANGER STATION	13	46N	59E	8330	19K4M5Z	MARLETTE LAKE	18	15N	19E	8000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
15H18a	REO POINT	15	47N	61E	7940	20L3	RICHARDSONS #2 (CAL.)	6	12N	18E	6500																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
15H3A	76 CREEK	6	44N	58E	7100	20L1	RUBICON #1 (CAL.)	6	13N	17E	8100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
15H19a	STAG MTN.	29	41N	58E	7800	20L2	RUBICON #2 (CAL.)	6	13N	17E	7500																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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15H4MP	BIG BEND	30	45N	56E	6700	20K6	TAHOE CITY (CAL.)	6	15N	17E	6250																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
16H6a	COLUMBIA BASIN	31	44N	53E	6650	19L1	UPPER TRUCKEE (CAL.)	21	12N	18E	6400																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
16H8a	FAWN CREEK	2	45N	52E	7000	20K17M	WARO CREEK (CAL.)	21	15N	16E	7000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
15H5	GOLO CREEK	32	45N	56E	6600	20K25STZ	WARO CREEK #2 (CAL.)	21	15N	16E	6750																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
16H1M	JACK CREEK, LOWER	18	42N	53E	6800	<b>LAKE TAHOE</b>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
16H2A	JACK CREEK, UPPER	9	42N	53E	7250	16H4	JACKS PEAK	28	42N	53E	8420	19L14	OAGGETTS PASS	19	13N	19E	7350	16H5	LAUREL DRAW	20	45N	53E	6700	20L5	ECHO SUMMIT (CAL.)	6	11N	18E	7450	17G4a	LOUSE CANYON (OREG.)	27	40S	44E	6440	19K6	FREEL BENCH (CAL.)	36	12N	18E	7300	15H9MP	TAYLOR CANYON	35	39N	53E	6200	20L2	GLENBROOK #2 (CAL.)	13	14N	18E	6900	<b>INTERIOR</b>												<b>UPPER HUMBOLOT RIVER</b>												15J17a	AMERICAN BEAUTY	32	31N	58E	7800	19K7*	HAGANS MEADOW (CAL.)	36	12N	18E	8000	16H6a	COLUMBIA BASIN	31	44N	53E	6650	20K8	LAKE LUCILLE (CAL.)	18	15N	19E	8200	15J12A	CORRAL CANYON	27	28N	57E	8500	20K4MP	MARLETTE LAKE	10	15N	19E	8700	15J1MP	DORSEY BASIN	28	35N	60E	8100	20K3	POISON FLAT (CAL.)	34	19N	15E	6500	15J3	ORY CREEK	5	34N	60E	6500	20K5	RUBICON #2 (CAL.)	14	16N	15E	6500	15H7	FRY CANYON	31	43N	54E	6700	20K9	WEBBER PEAK (CAL.)	9	16N	15E	8450	15J9MP	GREEN MOUNTAIN	23	29N	57E	8000	19K3	WEBBER PEAK (CAL.)	17	16N	19E	6300	15J10	HARRISON PASS #1	9	28N	57E	6600	19K2	MT. ROSE	7	17N	19E	9000	15J11	HARRISON PASS #2	16	28N	57E	7400	20K6	SAGE HEN CREEK (CAL.)	7	18N	16E	6500	15J4	LAMOILLE #1	15	32N	58E	7100	20K19	SOUAW VALLEY #2 (CAL.)	6	15N	16E	7500	15J5	LAMOILLE #2	14	32N	58E	7300	20K13M	TRUCKEE #2 (CAL.)	22	17N	16E	6400	15J6M	LAMOILLE #3	24	32N	58E	7700	20K12	WEBBER LAKE (CAL.)	29	19N	14E	7000	15J7	LAMOILLE #4	19	32N	59E	8000	20K11	WEBBER PEAK (CAL.)	30	19N	14E	8000	15J8P	LAMOILLE #5	31	32N	59E	8700	<b>TRUCKEE RIVER</b>												15J18a	POLE CANYON	31	35N	61E	9140	20K14	BOCA #2 (CAL.)	28	18N	17E	5900	15J16a	ROBINSON LAKE	23	33N	59E	9200	20K22	BROCKWAY SUMMIT (CAL.)	3	17N	16E	7100	15H6MP	ROOED FLAT	36	43N	53E	6800	20K21	DONNER PARK #2 (CAL.)	18	17N	16E	6000	15J2	RYAN RANCH	1	34N	59E	5800	20K10	DONNER SUMMIT (CAL.)	25	17N	14E	6900	15H10P	TROUT CREEK, LOWER	28	37N	61E	6900	20K7*	FORGEY LAKE (CAL.)	34	18N	13E	6500	15H11A	TROUT CREEK, UPPER	4	36N	61E	8500	20K8	FURNACE FLAT (CAL.)	10	17N	13E	6700	<b>LOWER HUMBOLOT RIVER</b>												17K1	BIG CREEK CAMP GROUND	10	17N	43E	6600	19L5	BLUE LAKES (CAL.)	30	9N	19E	8000	17K2	BIG CREEK MINE	23	17N	43E	7600	19L4	CARSON PASS, UPPER (CAL.)	22	10N	18E	8600	17K3	BIG CREEK, UPPER	26	17N	43E	8000	19K5	CLEAR CREEK	6	14N	19E	7300	17H2	BUCKSKIN, LOWER	25	45N	39E	6700	19L19a	EBBETS PASS (CAL.)	17	BN	20E	8700	17H1	BUCKSKIN, UPPER	11	45N	39E	8200	19L6A	POISON FLAT (CAL.)	25	BN	21E	7900	17J2	COCONO #2	22	35N	39E	6000	19L16a	UPPER FISH VALLEY (CAL.)	18	7N	22E	8050	17H4	GRANITE PEAK	22	44N	39E	7800	19L20a	WOLF CREEK (CAL.)	35	BN	20E	8000	17H5	LAMANCE CREEK	13	42N	38E	6000	19L18a	WET MEADOWS LAKE (CAL.)	26	9N	19E	8100	17L1	LOWER CORRAL	12	11N	40E	7500	<b>CARSON RIVER</b>												17H3	MARTIN CREEK	18	44N	40E	6700	19L5	BUCKEYE FORKS (CAL.)	20	4N	23E	8500	16H3AP	MIOAS	18	39N	46E	7200	19L10	BUCKEYE ROUGHS (CAL.)	15	4N	23E	7900	18H7	TOE JAM a	29	40N	50E	7700	19L12A	CENTER MOUNTAIN (CAL.)	4	3N	23E	9400	17L2	UPPER CORRAL	20	11N	41E	8500	19L1	LAPON MEADOW	36	8N	28E	9000	<b>EASTERN NEVAOA</b>												14L1	BAKER #1	29	13N	69E	7950	19L17a	LEBOELL LAKE (CAL.)	20	7N	24E	9200	14L2	BAKER #2	30	13N	69E	8950	19L2	MT. GRANT	23	8N	28E	9000	14L3	BAKER #3	25	13N	68E	9250	19L7M	SONORA PASS (CAL.)	1	5N	21E	8800	14K2	BERRY CREEK	23	17N	65E	9100	19L23stz	SONORA PASS BRIDGE	6	5N	22E	8800	14K1	BIRD CREEK	34	19N	65E	7500	19M1*	TIOGA PASS (CAL.)	30	1N	25E	9800	15J13	CAVE CREEK	25	27N	57E	7500	19L13M	VIRGINIA LAKES (CAL.)	5	2N	25E	9500	15J14	HAGER CANYON	34	27N	57E	8000	19L9	WILLOW FLAT (CAL.)	21	5N	23E	8250	15J15	HOLE-IN-MTN	6	35N	61E	7900	19L22sz	VIRGINIA LAKES RIDGE	32	3N	25E	9200	14K8	KALAMAZOO CREEK	34	20N	65E	7400	<b>WALKER RIVER</b>												14K3	MURRAY SUMMIT	26	16N	62E	7250	19L11	BUCKEYE FORKS (CAL.)	20	4N	23E	8500	15K1	ROBINSON SUMMIT	23	18N	61E	7600	19L10	BUCKEYE ROUGHS (CAL.)	15	4N	23E	7900	14K7	SILVER CREEK #2	30	16N	69E	8000	19L12A	CENTER MOUNTAIN (CAL.)	4	3N	23E	9400	14K5	WARO MOUNTAIN #2	25	15N	62E	7875	19L1	LAPON MEADOW	36	8N	28E	9000	15L1	WHITE RIVER #1	31	13N	59E	7400	19L17a	LEBOELL LAKE (CAL.)	20	7N	24E	9200	<b>CENTRAL GREAT BASIN</b>												18M2	CAMPITO MTN (CAL.)	19	55	35E	10200	19K4	SNOW COURSE ONLY					18M5a	CHIATOVICH FLAT	32	25	34E	10500	19K45	SNOW COURSE AND SNOW PILLOW					15N2	CLARK CANYON	B	195	56E	9000	19K4M	SNOW COURSE AND SOIL MOISTURE					18M1	MONTGOMERY PASS	4	1N	33E	7100	19K4A	SNOW COURSE AND AERIAL MARKER					18M3a	PINCHOT CREEK	28	1N	33E	9300	19K4P	SNOW COURSE AND STORAGE PRECIPITATION GAGE					18M4a	PIUTE PASS (CAL.)	33	45	33E	11700	19K4MA	SNOW COURSE, SOIL MOISTURE AND AERIAL MARKER					15N1	TROUGH SPRINGS	23	185	55E	8500	19K4MP	SNOW COURSE, SOIL MOISTURE AND PRECIPITATION GAGE					<b>NORTHERN GREAT BASIN</b>												19H1	BALO MOUNTAIN	17	45N	21E	6720	19K45Tz	SNOW COURSE, SNOW PILLOW AND TEMPERATURE RADIO TELEMETERO.					20H5	BARBER CREEK (CAL.)	23	39N	16E	6500	<b>LEGEND</b>												20H6	CEAR PASS (CAL.)	12	43N	14E	7100	NUMBERING SYSTEM (EXAMPLE)													18G6a	DENIO CREEK (OREG.)	14	415	34E	6000															18H1	DISASTER PEAK	8	47N	34E	6500															20H3a	DISMAL SWAMP (CAL.)	31	48N	22E	7000															20H7	EAGLE PEAK (CAL.)	35	40N	15E	7200															19H3	49-MTN	7	42N	19E	6000															19H2	HAYS CANYON	1	39N	18E	6400															19H4a	LITTLE BALLY MTN	8	45N	19E	6000															17G5a	OREGON CANYON (OREG.)	9	405	40E	7240															17H6a	QUINN RIDGE	9	47N	41E	6300															20H4	RESERVATION CREEK (CAL.)	12	46N	15E	5900															18G5a	TROUT CREEK (OREG.)	10	415	38E	7800														
16H4	JACKS PEAK	28	42N	53E	8420	19L14	OAGGETTS PASS	19	13N	19E	7350																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
16H5	LAUREL DRAW	20	45N	53E	6700	20L5	ECHO SUMMIT (CAL.)	6	11N	18E	7450																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
17G4a	LOUSE CANYON (OREG.)	27	40S	44E	6440	19K6	FREEL BENCH (CAL.)	36	12N	18E	7300																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
15H9MP	TAYLOR CANYON	35	39N	53E	6200	20L2	GLENBROOK #2 (CAL.)	13	14N	18E	6900																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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15J17a	AMERICAN BEAUTY	32	31N	58E	7800	19K7*	HAGANS MEADOW (CAL.)	36	12N	18E	8000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
16H6a	COLUMBIA BASIN	31	44N	53E	6650	20K8	LAKE LUCILLE (CAL.)	18	15N	19E	8200																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
15J12A	CORRAL CANYON	27	28N	57E	8500	20K4MP	MARLETTE LAKE	10	15N	19E	8700																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
15J1MP	DORSEY BASIN	28	35N	60E	8100	20K3	POISON FLAT (CAL.)	34	19N	15E	6500																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
15J3	ORY CREEK	5	34N	60E	6500	20K5	RUBICON #2 (CAL.)	14	16N	15E	6500																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
15H7	FRY CANYON	31	43N	54E	6700	20K9	WEBBER PEAK (CAL.)	9	16N	15E	8450																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
15J9MP	GREEN MOUNTAIN	23	29N	57E	8000	19K3	WEBBER PEAK (CAL.)	17	16N	19E	6300																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
15J10	HARRISON PASS #1	9	28N	57E	6600	19K2	MT. ROSE	7	17N	19E	9000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
15J11	HARRISON PASS #2	16	28N	57E	7400	20K6	SAGE HEN CREEK (CAL.)	7	18N	16E	6500																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
15J4	LAMOILLE #1	15	32N	58E	7100	20K19	SOUAW VALLEY #2 (CAL.)	6	15N	16E	7500																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
15J5	LAMOILLE #2	14	32N	58E	7300	20K13M	TRUCKEE #2 (CAL.)	22	17N	16E	6400																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
15J6M	LAMOILLE #3	24	32N	58E	7700	20K12	WEBBER LAKE (CAL.)	29	19N	14E	7000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
15J7	LAMOILLE #4	19	32N	59E	8000	20K11	WEBBER PEAK (CAL.)	30	19N	14E	8000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
15J8P	LAMOILLE #5	31	32N	59E	8700	<b>TRUCKEE RIVER</b>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
15J18a	POLE CANYON	31	35N	61E	9140	20K14	BOCA #2 (CAL.)	28	18N	17E	5900																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
15J16a	ROBINSON LAKE	23	33N	59E	9200	20K22	BROCKWAY SUMMIT (CAL.)	3	17N	16E	7100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
15H6MP	ROOED FLAT	36	43N	53E	6800	20K21	DONNER PARK #2 (CAL.)	18	17N	16E	6000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
15J2	RYAN RANCH	1	34N	59E	5800	20K10	DONNER SUMMIT (CAL.)	25	17N	14E	6900																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
15H10P	TROUT CREEK, LOWER	28	37N	61E	6900	20K7*	FORGEY LAKE (CAL.)	34	18N	13E	6500																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
15H11A	TROUT CREEK, UPPER	4	36N	61E	8500	20K8	FURNACE FLAT (CAL.)	10	17N	13E	6700																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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\*LOCATED ON ADJACENT WATERSHED

LOWER CASE LETTERS m, a, p, s, t, z, INDICATE NO SNOW COURSE, ONLY A SOIL MOISTURE STATION, AERIAL MARKER, STORAGE PRECIPITATION GAGE, SNOW PILLOW, TEMPERATURE, OR RADIO TELEMETERO.



WATER SUPPLY OUTLOOK

FOR NEVADA

MARCH 1, 1969

NEVADA'S 1969 WATER SUPPLY OUTLOOK IS EXCELLENT. APRIL THROUGH JULY STREAMFLOW IS PREDICTED TO RANK AMONG THE HIGHEST OF RECORD FOR STREAMS ORIGINATING ON THE EAST SLOPE OF THE SIERRA NEVADA. SUMMER FLOWS THROUGHOUT THE REST OF THE STATE WILL BE MUCH ABOVE NORMAL ALSO. SNOW-STORED WATER IS MUCH ABOVE AVERAGE THROUGHOUT THE STATE, AND MEASUREMENTS ON MANY SNOW COURSES IN THE SIERRA ARE HIGHER THAN ANY PREVIOUS DATE. WATERSHED SOILS ARE WELL PRIMED, AND MANY RESERVOIRS ARE BEING DRAWN DOWN TO CREATE A CUSHION FOR THE EXPECTED HIGH SUMMER STREAMFLOW.

The pattern set during January for extremely heavy snowfall persisted through February. Snowfall during February contributed about 150 percent of the amount normally expected for the month. This, added to the previous pack, has left many snow courses at an all-time record high.

March 1 snow pack ranged from a phenomenal 643 percent of average in the Spring Mountains above Las Vegas to a much-above-average 140 percent in the Ruby Mountains near Elko. The Sierra Nevada snow pack varies from 230 percent in the north to 250 percent in the south. Many individual courses in the Sierra are above 300 percent of normal for this date. Numerous courses in the Sierra Nevada, Springs Mountains, and Lower Humboldt area have more snow than ever before recorded. This is especially noteworthy in that April 1 is considered to be the date of maximum snow buildup, and many courses have already broken the all-time record set in April 1952.

Watershed soils are well primed throughout most of the state. Valley and lower-elevation soils are also wet and, in some cases, covered with a blanket of snow. This condition indicates that streams will begin to flow earlier than normal this year.



Nevada's major reservoirs contain 120 percent of average carryover storage for this date. Two-thirds of the 922,000 acre-feet held in these reservoirs is in Lake Tahoe, however. Many reservoirs have been releasing stored water during the month in anticipation of the snow-melt water this season.

Streamflow forecasts for the April-July period are much above normal for the entire state. Small streams fed by low-elevation snow will have abundant early flows this season. Generally, streamflow is expected to start early with the melt of the low-elevation snow and then continue with higher-than-normal flows into early August.

In summary, this winter has been extremely wet, and it is already one of the biggest snow years on record. This situation poses a threat of spring high water. Weather conditions from now through June will be a major factor in determining the extent of high water realized.



## NEVADA STREAMFLOW FORECASTS - MARCH 1969

The following summarized runoff forecasts are based principally on mountain snow cover and the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts.

BASIN and Forecast Stream	April-July Streamflow, Thousands Acre-Feet				
	Forecast 1969	Average 1953-67	Measured Runoff		
			15 Yr. 1969	% of 15-Yr. Av.	1968
<u>TRUCKEE RIVER</u>					
Little Truckee River above Boca California <sup>2</sup>	175	81	216 (184)	44	175
Truckee River at Farad, Calif. <sup>1,2</sup>	573	258	222 (205)	155	550
Lake Tahoe Rise in Feet (From April 1, assuming gates closed) <sup>2</sup>	3.00	1.39	216 (200)	0.61	2.70
<u>CARSON RIVER</u>					
East Carson near Gardnerville, Nev.	375	175	214	120	307
West Carson at Woodfords, Calif.	110	51	216	38	78
Carson River near Carson City, Nev.	440	166	265	90	351
Carson River at Ft. Churchill, Nev.	440	150	293	75	326
East Carson near Gardnerville, Nev. (Date of 200 c.f.s. flow)	8/24	7/23	--	7/3	8/31
<u>WALKER RIVER</u>					
East Walker near Bridgeport, Calif. <sup>1</sup> (April-August streamflow)	175	60	291	23	140
West Walker below East Fork near Coleville, California	290	143	203	96	237
<u>COLORADO RIVER</u>					
Virgin River at Virgin, Utah <sup>3</sup> (April-June streamflow)	124	38	326	51	51

(Continued)



NEVADA STREAMFLOW FORECASTS - MARCH 1, 1969 (Continued)

BASIN and Forecast Stream	April-July Streamflow, Thousands Acre-Feet					
	Forecast 1969	Average 1953-67	15-Yr. 1969 as % of 15-Yr. Av.	Measured Runoff		
				1968	1967	1968
<u>HUMBOLDT RIVER</u>						
Lamoille Creek near Lamoille, Nev.	35	25	140	27	31	
So. Fork Humboldt near Elko, Nev.	115	58	198	41	75	
Marys River above Hot Springs, Nev.	52	28	186	13	27	
N. Fork Humboldt at Devils Gate, Nev.	50	26	192	4	27	
Humboldt River at Palisade, Nev.	320	154	211	81	200	
Humboldt River at Comus, Nev.	230	110	209	54	134	
Martin Creek near Paradise, Nev.	32	14	228	5	22	
<u>SNAKE RIVER</u>						
Owyhee River near Owyhee, Nev. <sup>1</sup>	124	60	206	14	56	
Owyhee River near Gold Creek, Nev. <sup>1</sup>	32	16	200	2	12	
Salmon Falls Creek near San Jacinto, Nevada (March-July streamflow) <sup>4</sup>	105	67	158	--	67	
<u>SURPRISE VALLEY</u>						
Bidwell Creek near Ft. Bidwell, Calif. <sup>5</sup>	19.0	11.5	165	4.0	15.0	
Mill Creek near Cedarville, Calif. <sup>5</sup>	6.6	4.7	140	1.9	5.3	
Deep Creek near Cedarville, Calif. <sup>5</sup>	5.0	3.3	152	1.1	2.3	
Eagle Creek near Eagleville, Calif. <sup>5</sup>	6.9	4.3	160	2.4	3.6	

1. Corrected for reservoir storage above station.
  2. Forecast issued by Truckee Basin Water Committee.
  3. Forecast issued by SCS, Salt Lake City, Utah.
  4. Forecast issued by SCS, Boise, Idaho.
  5. Forecast coordinated between SCS and California Department of Water Resources.
- \* Numbers in parentheses are forecast as percent of long-term average.



## STATUS OF NEVADA RESERVOIR STORAGE

MARCH 1, 1969

BASIN and Stream	RESERVOIR	USABLE CAPACITY (1000 AF)	USABLE STORAGE - 1000 ACRE-FEET			
			1969	1968	1967	March 1 15-Yr. Av. 1953-67
Owyhee	Wild Horse	*	2	6	3	15
Lower Humboldt	Rye Patch	179	42	60	73	74
Colorado	Mohave	1,810	1,663	1,637	1,662	1,697
Colorado	Mead	27,217	15,464	14,614	15,617	16,416
Tahoe	Tahoe	732	630	610	444	412
Truckee	Boca	41	0	4	2	6
Truckee	Prosser **	30	9	9	9	Storage began 1/30/63
Carson	Lahontan	286	202	246	208	191
West Walker	Topaz	59	28	58	34	39
East Walker	Bridgeport	42	18	41	28	31

\* Reservoir under construction; usable capacity held to 17,000 acre-feet.

\*\* Flood control use allocation of 20,000 acre-feet between November 1 and April 10.

## TOTAL RESERVOIR STORAGE

Developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz, and Bridgeport Reservoirs in 1000's Acre-Feet

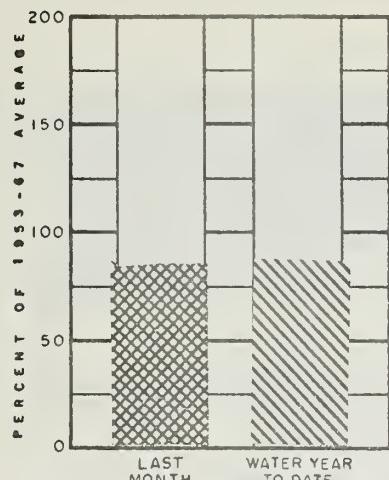
MONTH	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	AVERAGE 1953-67
October 1	702	497	1135	559	965	649	656
January 1	748	789	1114	593	904	694	660
February 1	776	922	1051	736	939	881	715
March 1	774	949	1035	792	1025	922	768
April 1	774	1002	1054	943	1080		839
May 1	818	1103	1089	978	1074		890

TOTAL USABLE CAPACITY 1,356

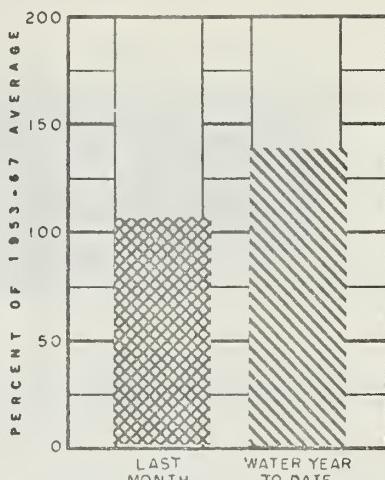


# SELECTED CURRENT STREAMFLOW STATIONS

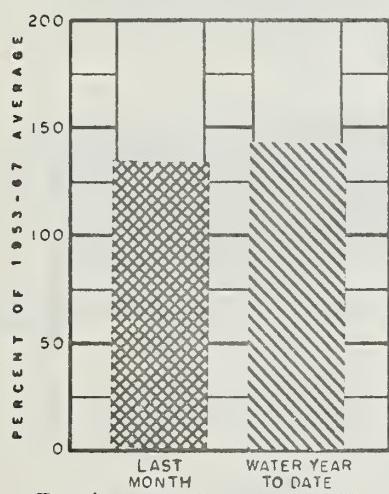
MARCH 1, 1969



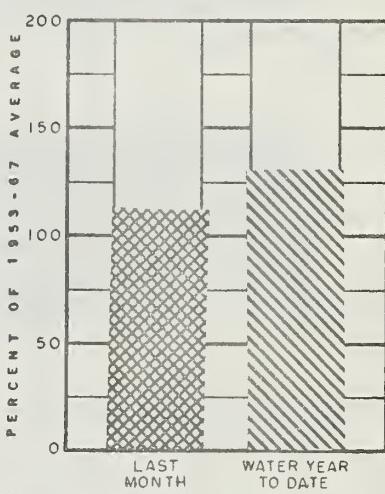
Owyhee near Owyhee, Nev.



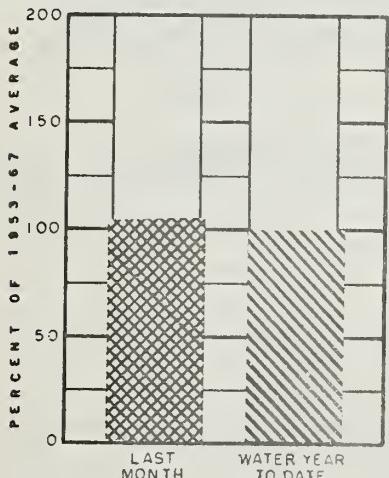
Humboldt at Palisade, Nev.



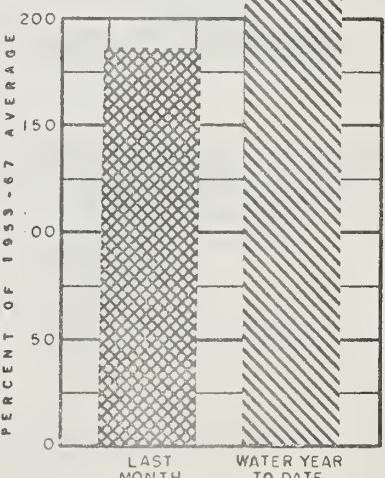
Truckee at Farad, Calif.



Carson near Carson City, Nev.



W. Walker near Coleville, Calif.



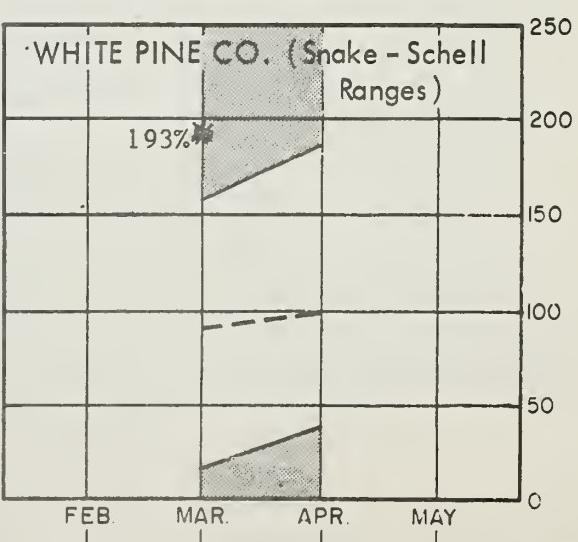
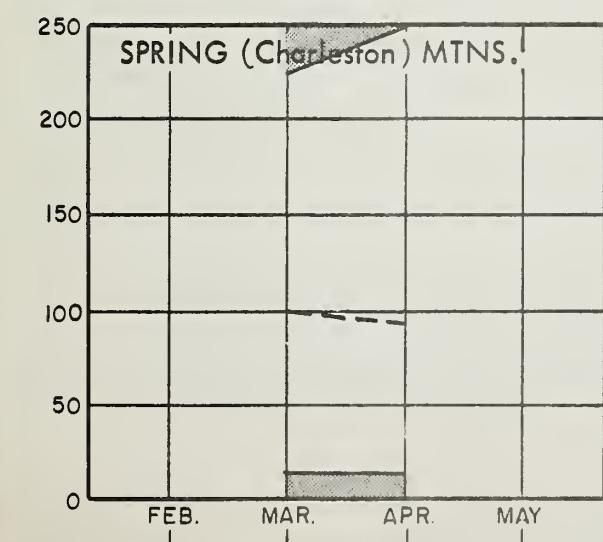
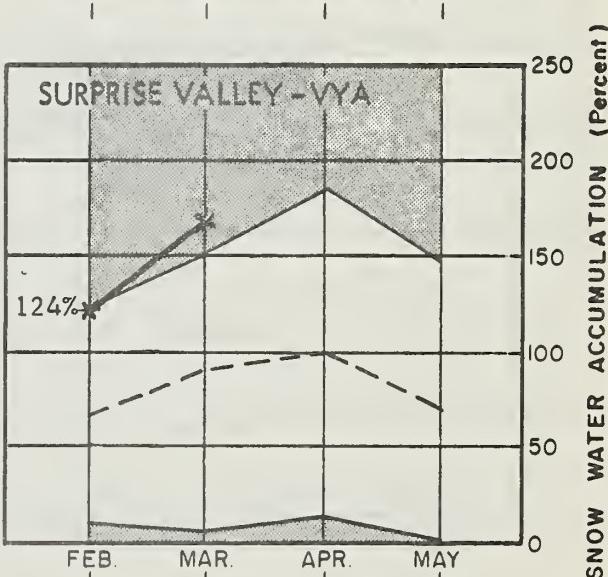
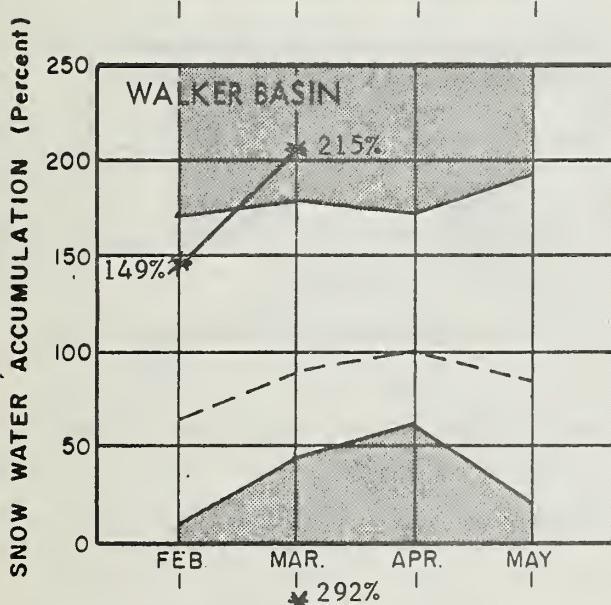
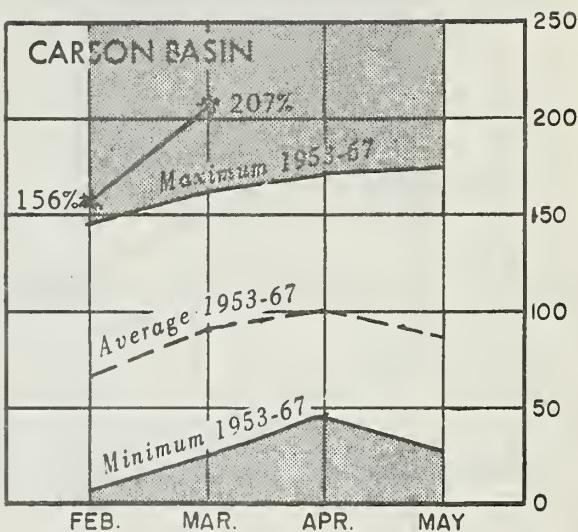
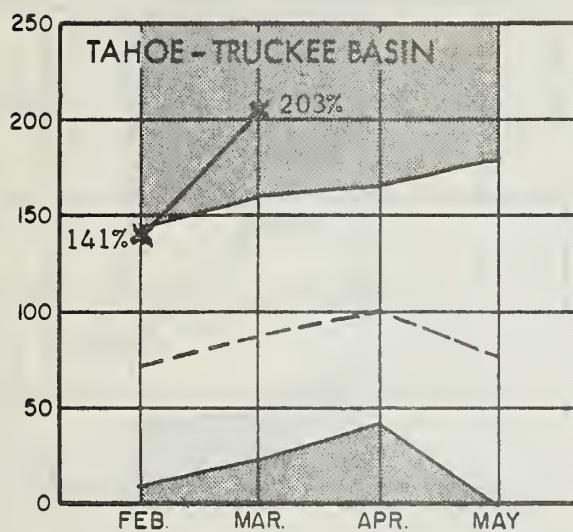
Virgin at Littlefield, Ariz.



# SNOW WATER ACCUMULATION IN NEVADA

Percent of average maximum accumulation

1969

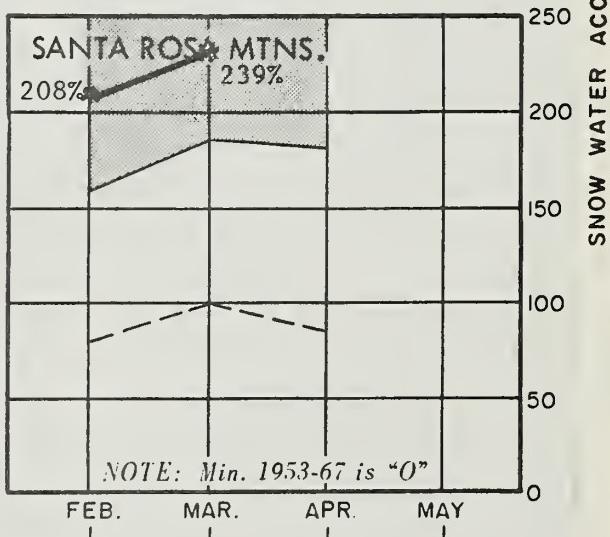
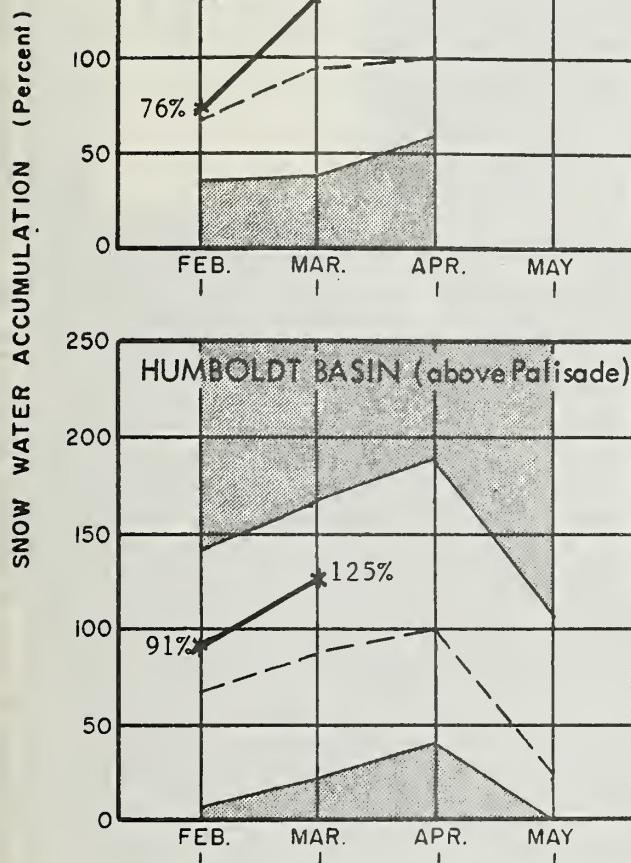
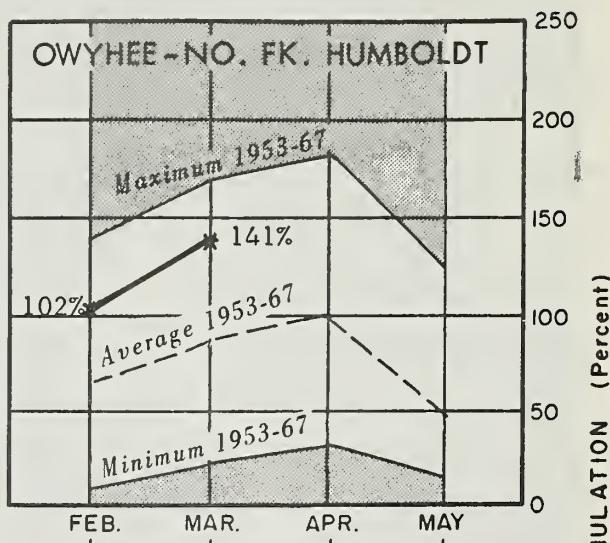
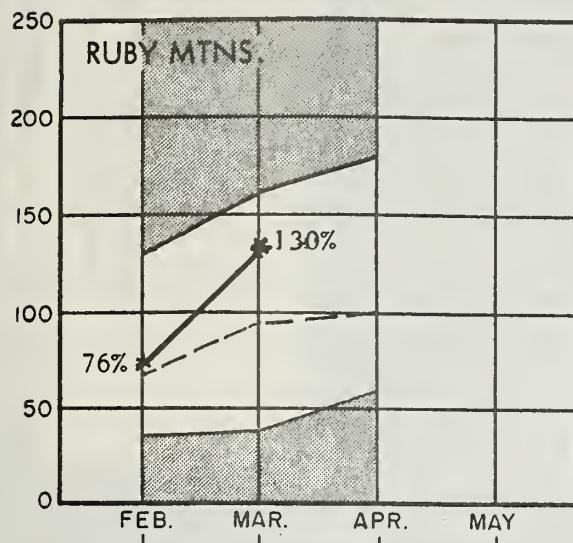




# SNOW WATER ACCUMULATION IN NEVADA

Percent of average maximum accumulation

1969



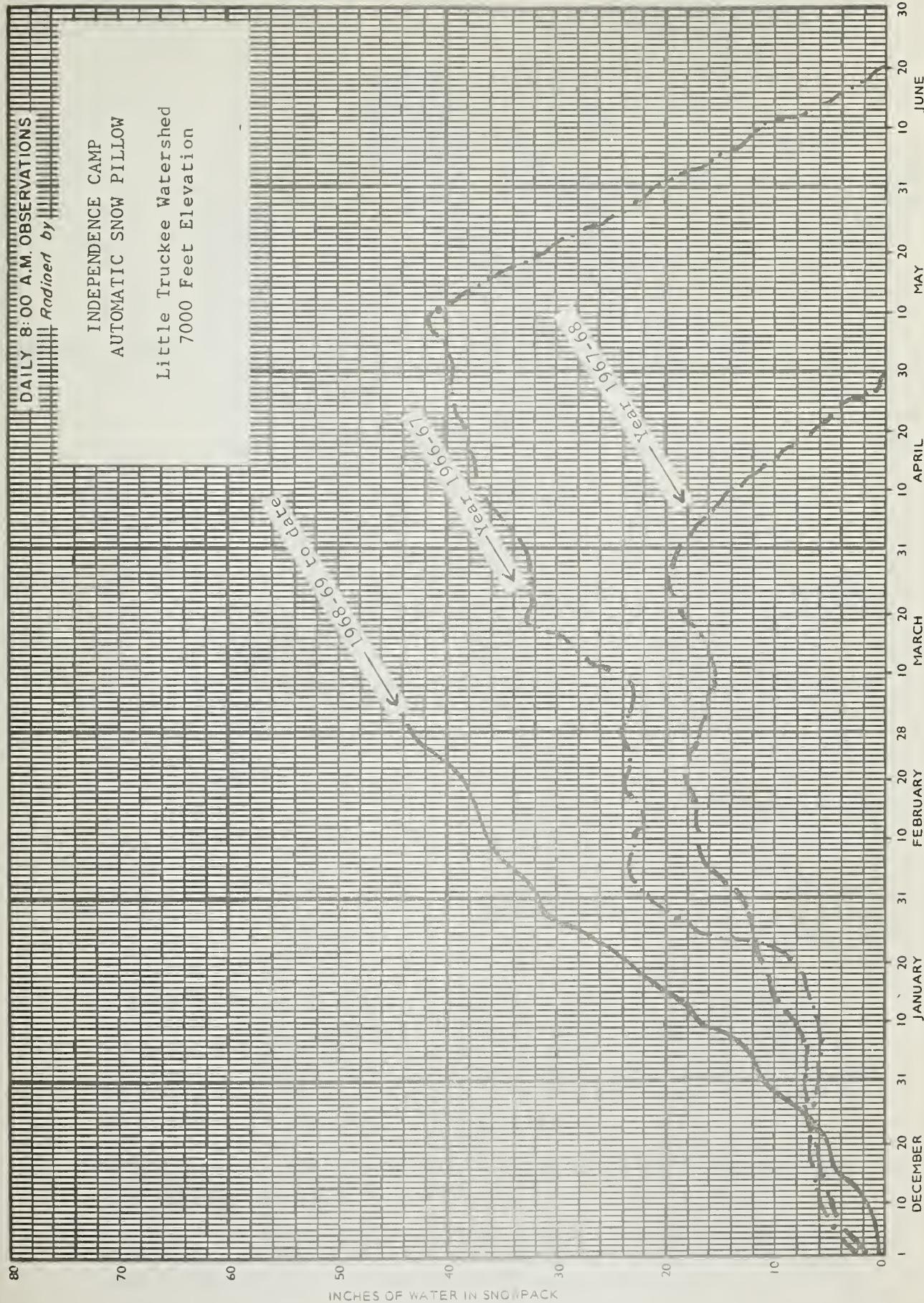
NOTE:

— 1969

- - - 1953-67



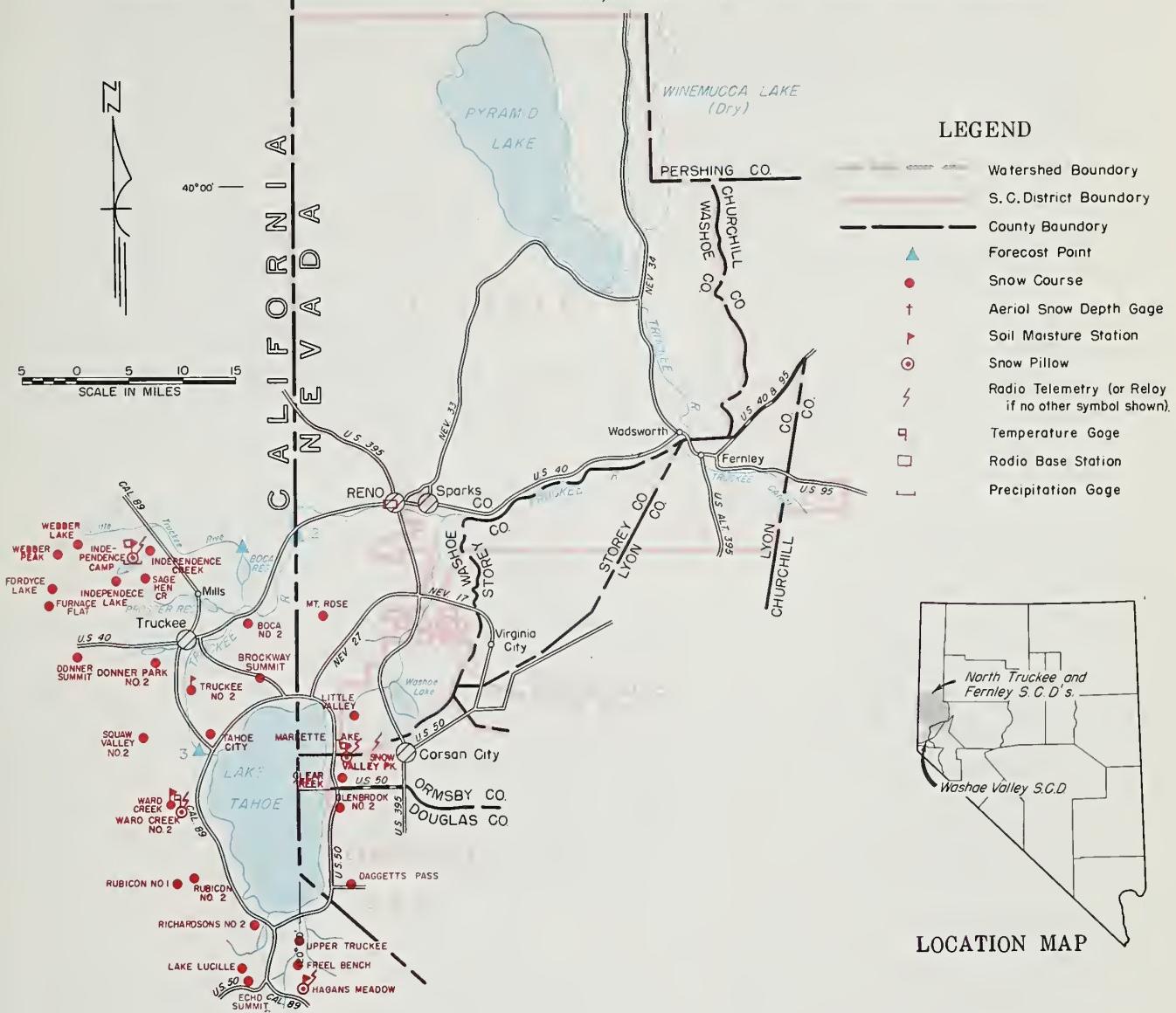
**U.S.D.A. SOIL CONSERVATION SERVICE DAILY RADIO REPORTS BY AUTOMATIC SNOW MEASURING STATION**





## WATER SUPPLY OUTLOOK

NORTH TRUCKEE, FERNLEY & WASHOE VALLEY S.C.D.'S.  
WASHOE, STOREY & LYON COUNTIES, NEVADA



MARCH 1, 1969

THE 1969 WATER SUPPLY OUTLOOK FOR THE LAKE TAHOE-TRUCKEE BASIN IS EXCELLENT. WATER CONTENT OF THE MOUNTAIN SNOW PACK CONTINUED TO INCREASE DURING FEBRUARY. THE MARCH 1 SNOW PACK IS 225 PERCENT OF AVERAGE AND 250 PERCENT OF LAST YEAR. MANY SNOW COURSES IN THE AREA HAVE BROKEN ALL PREVIOUS RECORDS. THE MARCH 1, 1969, SNOW PACK IS VERY SIMILAR TO THE APRIL 1, 1952, PACK.

WATERSHED SOILS ARE WELL PRIMED, AND THE LOWER-ELEVATION AREAS ARE ALSO WET AND BLANKETED WITH SNOW.

THE COMMITTEE FORECAST THE TRUCKEE AT FARAD TO FLOW 573,000 ACRE- FEET, WHICH IS 222 PERCENT OF THE APRIL-JULY AVERAGE. LAKE TAHOE RISE IS FORECAST AT 3.00 FEET FOR THE APRIL-JULY PERIOD.

# STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Lake Tahoe	732	630	610	412
Boca	41	0	4	6
Prosser b/	30	9	9	-
b/ Flood control use allocation 20,000 acre-feet between November 1 and April 1.				

NOTE:

All averages based on 1953-67, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-terial marker; water content estimated. \* 1953-67 adjusted average.

# APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	MEASURED AVERAGE
1. Little Truckee River above Boca	175	44	81
2. Truckee River at Farad, Calif.	573	155	258
3. Lake Tahoe rise (In feet from April 1, assuming gates closed.)	3.00	0.61	1.39
Note: Above forecasts prepared by the			
Truckee Basin Water Committee.			

# SNOW

March 1, 1969

SNOW COURSE	CURRENT INFORMATION			PAST RECORD		
	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)
<b>LAKE TAHOE</b>						
Daggetts Pass	7350	No survey			6.8	8.6
Echo Summit	7500	3/4	187	66.5	21.0	28.7
Freel Bench	7300	Est.	75	28.4	8.4	10.6
Glenbrook #2	6900	No survey			9.2	10.4
Hagans Meadow	8000	Radio report	39.7	11.3	15.7*	
Lake Lucille	8200	2/27	259	95.0	---	---
Little Valley	6300	2/26	71	26.2	5.1	8.8*
Marlette Lake	8000	3/2	122	45.5	17.2	17.5
Richardsons #2	6500	3/1	105	30.7	13.9	14.9
Rubicon #1	8100	2/27	226	74.8	30.6	38.3
Rubicon #2	7500	2/27	159	53.0	21.1	23.6
Tahoe City	6250	3/2	83	27.9	8.0	10.2
Truckee, Upper	6400	Est.	60	20.0	8.6	8.9*
Ward Creek	7000	Est.	220	69.5	29.0	34.3
<b>TRUCKEE RIVER</b>						
Boca #2	5900	2/28	60	16.6	4.4	6.1
Brockway Summit	7100	2/26	130	47.7	13.1	---
Donner Park #2	6000	2/27	115	33.0	15.6	15.6
Donner Summit	6900	3/4	190	14.4	26.8	30.8
Fordyce Lake	6500	3/2	172	68.0a	28.0a	30.2*
Furnace Flat	6600	3/2	192	75.0a	32.0a	35.2*
Independence Camp	7000	Radio report	45.6	18.6	19.4	
Independence Creek	6500	No survey			12.1	12.8
Independence Lake	8450	No survey			30.6	32.3
Sage Hen Creek	6500	Est.	110	37.0	15.2	16.1
Squaw Valley #2	7500	3/2	215	79.5	35.1	41.9*

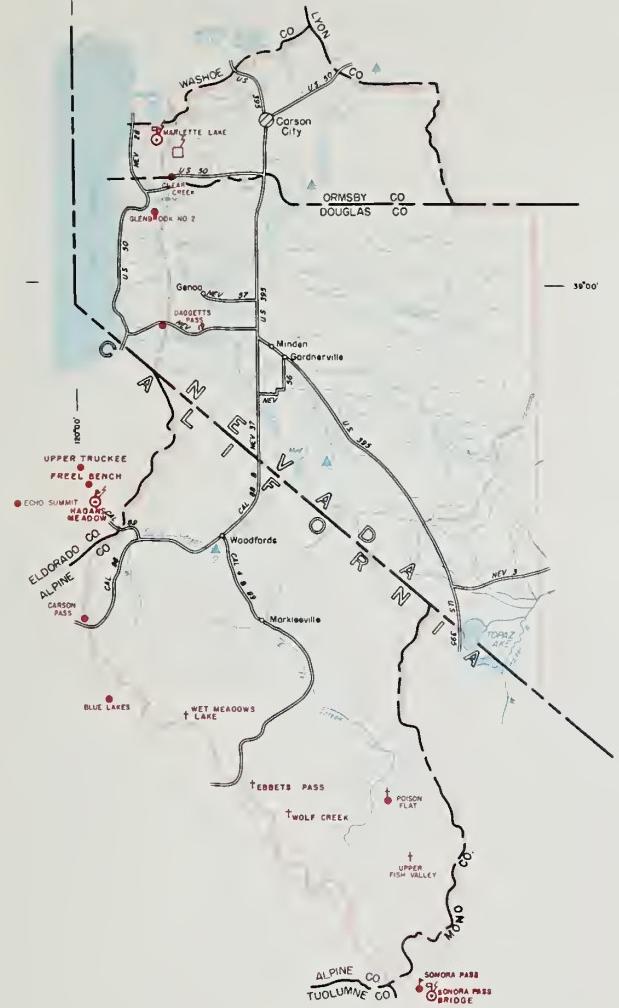
# SOIL MOISTURE

STATION	PROFILE (Inches)			SOIL MOISTURE (Inches)		
	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
Hagans Meadow	8000	36	3.65	Est.	3.5	3.2
Independence Camp	7000	34	6.10	2/01	5.2	5.4
Marlette Lake	8000	50	3.70	1/30	3.5	2.0
Ward Creek	7000	49	5.80	2/27	5.8	5.6

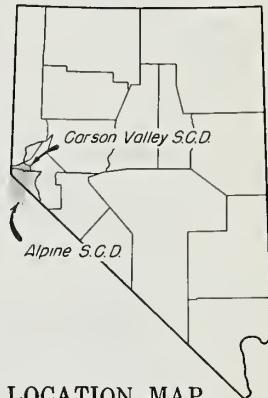
# WATER SUPPLY OUTLOOK

CARSON VALLEY S.C.D., NEVADA  
and ALPINE S.C.D., CALIFORNIA

5 0 5 10  
SCALE IN MILES



Report prepared by  
D. W. McANDREW and R. E. MALSOR, Jr.  
U.S.D.A.-SOIL CONSERVATION SERVICE  
P.O. Box 4850, Reno, Nevada  
in cooperation with  
NEVADA DEPT. OF CONSERVATION  
AND NATURAL RESOURCES



LOCATION MAP

## LEGEND

- Watershed Boundary
- S. C. District Boundary
- County Boundary
- Forecast Point
- Snow Course
- Aerial Snow Depth Gage
- Soil Moisture Station
- Snow Pillow
- Radio Telemetry (or Relay if no other symbol shown)
- Temperature Gage
- Radio Base Station
- Precipitation Gage

MARCH 1, 1969

CARSON VALLEY WATER USERS CAN EXPECT AN EXCELLENT  
WATER SUPPLY THIS YEAR.

THE PATTERN SET DURING JANUARY FOR EXTREMELY HEAVY SNOWFALL PERSISTED THROUGH FEBRUARY. MOUNTAIN SNOW PACK AS OF MARCH 1 IS BETTER THAN 250 PERCENT OF NORMAL. MANY SNOW COURSES IN THE BASIN SET NEW ALL-TIME RECORDS. THIS IS ESPECIALLY SIGNIFICANT IN THAT APRIL 1 IS CONSIDERED THE DATE OF MAXIMUM SNOW ACCUMULATION.

STREAMFLOW FORECASTS FOR THE APRIL-JULY PERIOD INDICATE THAT MOST STREAMS IN THE AREA WILL FLOW ABOUT 250 PERCENT OF AVERAGE. THE EAST CARSON NEAR GARDNERVILLE IS EXPECTED TO FLOW 375,000 ACRE-FEET, WHICH IS 214 PERCENT OF AVERAGE. THE EAST CARSON IS NOT EXPECTED TO FALL BELOW 200 CUBIC FEET PER SECOND BEFORE AUGUST 24, 1969.

# STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Lahontan	286	202	246	191

**NOTE:**

All averages based on 1953-67, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted.  
a-Aerial marker; water content estimated. \* 1953-67 adjusted average.

# APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1. East Carson near Gardnerville	375	120	175
2. West Carson at Woodfords, Calif.	110	38	51
3. Carson River near Carson City	440	90	166
4. Carson River near Fort Churchill	440	75	150
Date 200 c.f.s flow	8/24	7/3	7/23
East Carson near Gardnerville			

# SNOW

March 1, 1969

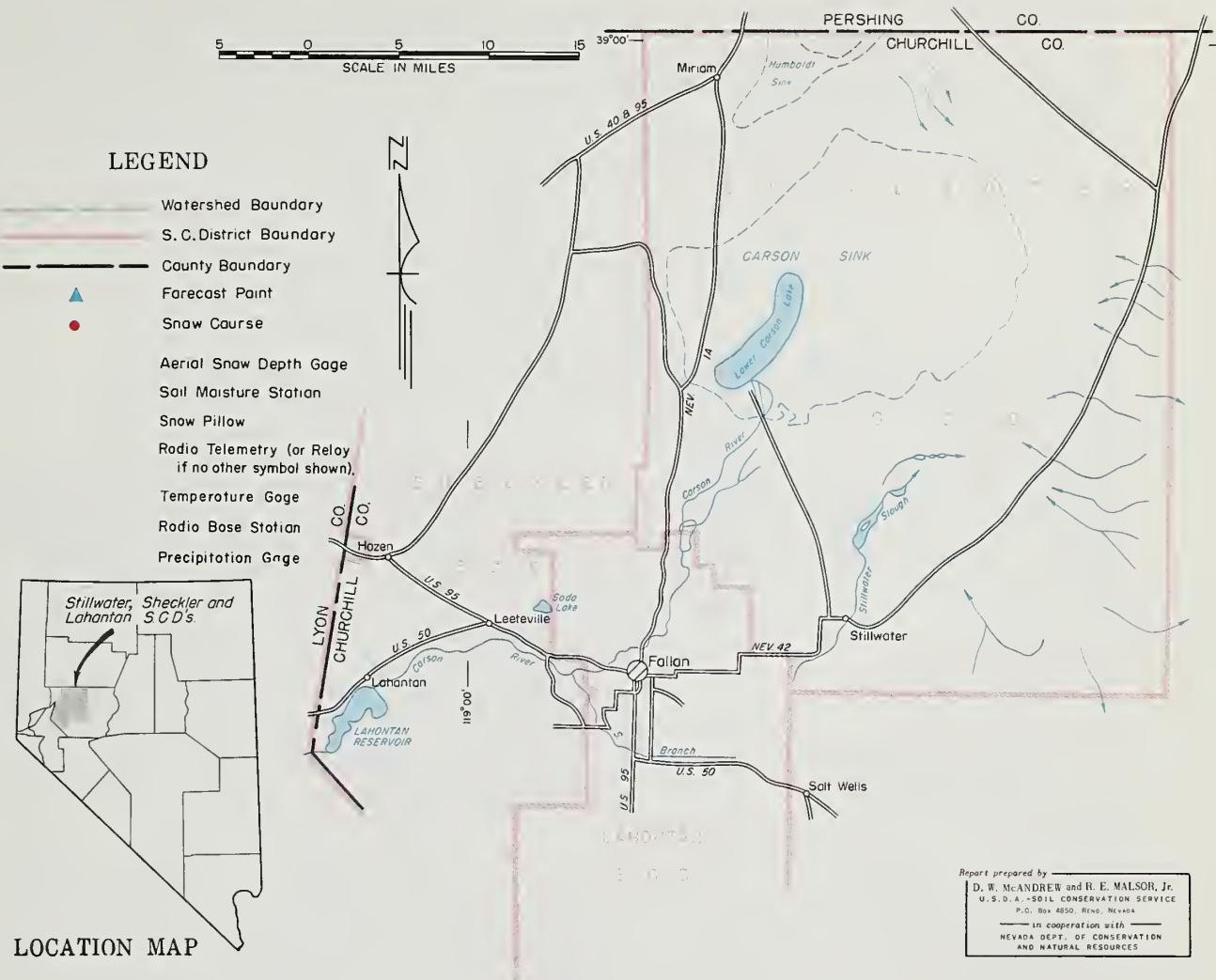
SNOW COURSE	CURRENT INFORMATION				PAST RECORD	
	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (inches)
					LAST YEAR	AVERAGE
Carson Pass, Upper	8600	3/5	184	67.3	24.9	28.4
Clear Creek	7300	2/26	96	27.8	8.1	11.1
Daggetts Pass	7350	No survey			6.8	8.6
Ebbetts Pass	8700	2/27	174	64.4a	22.9a	---
Echo Summit	7500	3/4	187	66.5	21.0	28.7
Glenbrook #2	6900	No survey			9.2	10.4
Marlette Lake	8000	3/2	122	45.5	17.2	17.5
Poison Flat	7900	2/27	114	40.0a	13.0a	14.4*
Sonora Pass	8800	2/28	147	48.8	15.4	19.8
Fish Valley, Upper	8050	2/27	96	34.5a	7.6a	11.7*
Wet Meadows Lake	8100	2/27	162	59.9a	15.2a	---
Wolf Creek	8000	2/27	156	57.7a	16.6a	---

# SOIL MOISTURE

STATION	PROFILE (Inches)		SOIL MOISTURE (Inches)			
	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION					
Marlette Lake	8000	50	3.70	1/30	3.5	2.0
Sonora Pass	8800	48	8.30	2/28	8.3	7.7

# WATER SUPPLY OUTLOOK

STILLWATER, SHECKLER, LAHONTAN S.C.D.'S. & VICINITY  
CHURCHILL COUNTY, NEVADA



MARCH 1, 1969

WATER USERS IN THE FALON AREA CAN EXPECT EXCELLENT WATER SUPPLIES THIS YEAR.

MOUNTAIN SNOW PACK IS NEAR TO ABOVE THE ALL-TIME RECORD HIGH. THE TRUCKEE WATERSHED IS AVERAGING 225 PERCENT, WHILE THE CARSON IS AT 250 PERCENT OF AVERAGE FOR THIS DATE. MANY SNOW COURSES IN THE WATERSHED ARE CURRENTLY INDICATING MORE THAN 300 PERCENT OF NORMAL.

THE LAHONTAN RESERVOIR CURRENTLY CONTAINS 202,000 ACRE-FEET, AND RELEASES ARE BEING MADE TO CREATE A CUSHION FOR THE EXPECTED HIGH SUMMER FLOWS ON THE CARSON RIVER.

THE CARSON AT FORT CHURCHILL IS FORECAST TO FLOW 440,000 ACRE-FEET, WHICH IS 293 PERCENT OF AVERAGE FOR THE APRIL-JULY PERIOD.

## STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Lake Tahoe	732	630	610	412
Lahontan	286	202	246	191

## APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	MEASURED AVERAGE
1. Truckee River at Farad, Calif. **	573	155	258
2. Lake Tahoe Rise in feet (From April 1, assuming gates closed) **	3.00	0.61	1.39
3. Carson River near Fort Churchill	440	75	150

\*\* Forecasts prepared by Truckee Basin Water Committee

### NOTE:

All averages based on 1953-67, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. \*Aerial marker; water content estimated. \* 1953-67 adjusted average.

## SNOW

March 1, 1969

SNOW COURSE	CURRENT INFORMATION			PAST RECORD	
	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)
					LAST YEAR
<b>TRUCKEE RIVER</b>					
Boca #2	5900	2/28	60	16.6	4.4
Donner Summit	6900	3/04	190	74.4	26.8
Fordyce Lake	6500	3/02	172	68.0a	28.0a
Furnace Flat	6600	3/02	192	75.0a	32.0a
Independence Camp	7000	Radio report		45.6	18.6
Sage Hen Creek	6500	Est.	110	37.0	15.2
<b>TAHOE</b>					
Daggetts Pass	7350	No survey			6.8
Echo Summit	7500	3/04	187	66.5	21.0
Hagans Meadow	8100	Radio report		39.7	11.3
Tahoe City	6250	3/2	83	27.9	8.0
Ward Creek	7000	2/27	220	69.5	29.0
<b>CARSON RIVER</b>					
Carson Pass, Upper	8600	3/05	184	67.3	24.9
Clear Creek	7300	2/26	96	27.8	8.1
Sonora Pass	8800	2/28	147	48.8	15.4

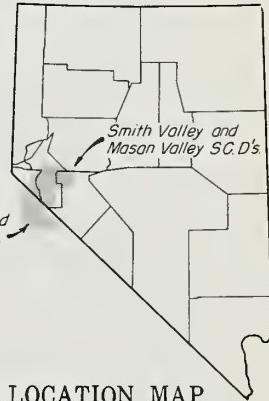
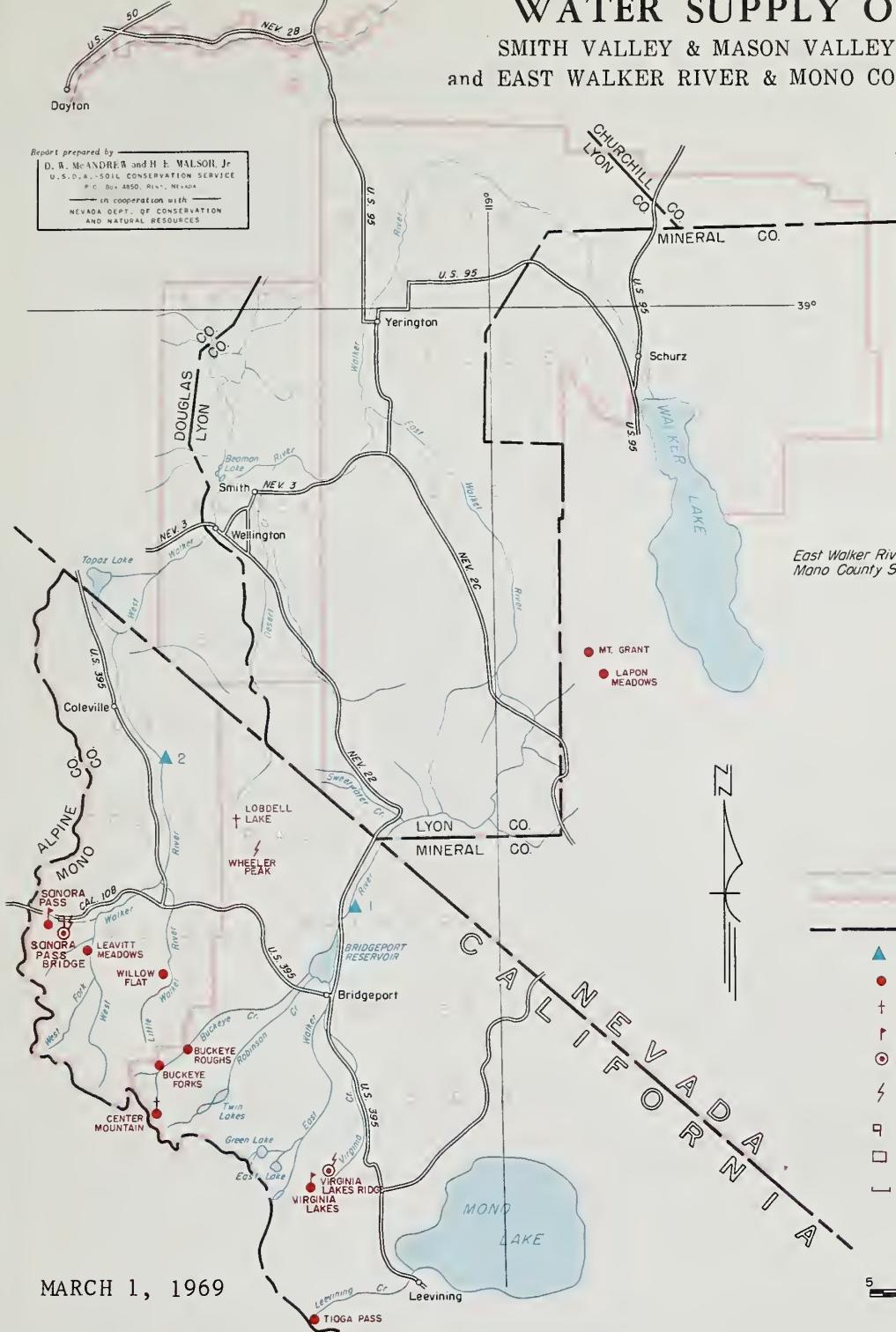
## SOIL MOISTURE

STATION	PROFILE (Inches)			SOIL MOISTURE (Inches)		
	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION					
Hagans Meadow	8000	36	3.65	Est.	3.5	3.2
Independence Camp	7000	34	6.10	2/01	5.2	5.4
Marlette Lake	8000	50	3.70	1/30	3.5	2.0
Sonora Pass	8800	48	8.30	2/28	8.3	7.7
Ward Creek	7000	49	5.80	2/27	5.8	5.6

# WATER SUPPLY OUTLOOK

SMITH VALLEY & MASON VALLEY S.C.D.'S., NEVADA  
and EAST WALKER RIVER & MONO CO. S.C.D.'S., CALIFORNIA

Report prepared by  
D. W. McANDREW and H. E. MALSOR, Jr.  
U.S.D.A.-SOIL CONSERVATION SERVICE  
P.O. Box 4850, Reno, Nevada  
In cooperation with  
NEVADA DEPT. OF CONSERVATION  
AND NATURAL RESOURCES



## LEGEND

- Watershed Boundary
- S.C. District Boundary
- County Boundary
- Forecast Point
- Snow Course
- Aerial Snow Depth Gage
- Soil Moisture Station
- Snow Pillow
- Radio Telemetry (or Relay if no other symbol shown)
- Temperature Gage
- Radio Base Station
- Precipitation Gage

5 0 5 10 15  
SCALE IN MILES

MARCH 1 SNOW SURVEYS INDICATE A RECORD SNOW PACK IN THE WALKER RIVER DRAINAGE. SONORA PASS SNOW COURSE HAD 147 INCHES OF SNOW CONTAINING 48.8 INCHES OF WATER. SINCE 1930, THE MAXIMUM PREVIOUSLY RECORDED WAS 99 INCHES OF SNOW CONTAINING 45.6 INCHES OF WATER, IN APRIL 1952.

WATERSHED SOILS ARE WET, AND ALL INDICATIONS ARE POINTING TOWARD A WATER YEAR SIMILAR TO 1952. FOR EXAMPLE, THE EAST WALKER IS FORECAST TO FLOW 290 PERCENT OF AVERAGE THIS SUMMER. THE LOWER-ELEVATION COURSES INDICATE HIGH FLOWS WILL OCCUR DURING APRIL, WHILE THE HIGH-ELEVATION SNOW PACK WILL MAINTAIN THE SUBSTANTIAL FLOWS WELL INTO AUGUST.

## STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Topaz	59	28	58	39
Bridgeport	42	18	41	31

**NOTE:**

All averages based on 1953-67, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted.  
a-Aerial marker; water content estimated. \* 1953-67 adjusted average.

## APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	MEASURED AVERAGE
1. East Walker near Bridgeport, California **	175	23	60
2. West Walker below E. Fk. near Coleville, Calif.	290	96	143

\*\* April-August runoff corrected for change in Bridgeport Reservoir.

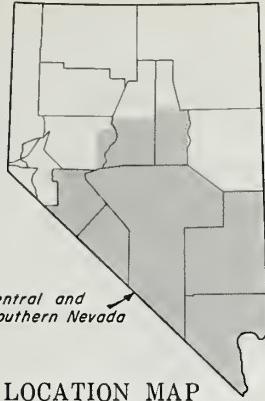
## SNOW

March 1, 1969

SNOW COURSE		CURRENT INFORMATION			PAST RECORD	
NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
					LAST YEAR	AVERAGE
Center Mountain	9400	2/27	216	79.9a	22.1a	---
Lobdell Lake	9200	2/27	114	41.0a	7.6a	---
Sonora Pass	8800	2/28	147	48.8	15.4	19.8
Virginia Lakes	9500	2/25	126	36.6	7.9	15.4

## SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
NAME	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
Sonora Pass	8800	48	8.30	Est.	8.3	7.7	8.3



LOCATION MAP

# WATER SUPPLY OUTLOOK

CHURCHILL, CLARK, ESMERALDA, EUREKA, LANDER,  
LINCOLN, MINERAL and NYE COUNTIES, NEVADA

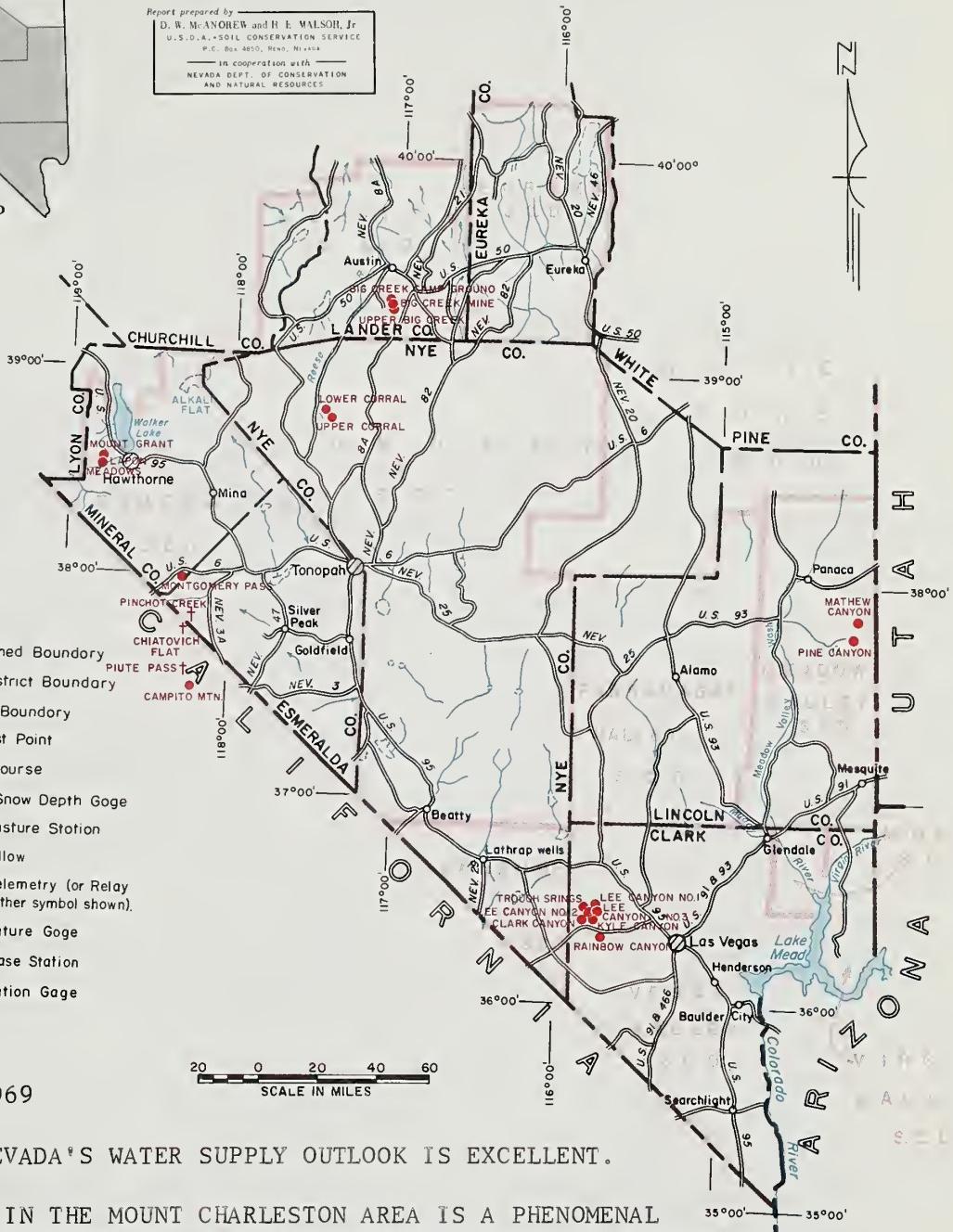
Report prepared by  
D. W. McANOREW and H. E. MALSON, Jr.  
U.S.D.A., SOIL CONSERVATION SERVICE  
P.O. Box 4850, Reno, Nevada  
In cooperation with  
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## LEGEND

- Watershed Boundary
- - - S. C. District Boundary
- County Boundary
- ▲ Forecast Point
- Snow Course
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- Soil Moisture Station
- Snow Pillow
- Radio Telemetry (or Relay if no other symbol shown).
- △ Temperature Gage
- ◆ Radio Base Station
- ◆ Precipitation Gage

20 0 20 40 60  
SCALE IN MILES

MARCH 1, 1969



SOUTHERN NEVADA'S WATER SUPPLY OUTLOOK IS EXCELLENT.

SNOW COVER IN THE MOUNT CHARLESTON AREA IS A PHENOMENAL 643 PERCENT OF AVERAGE. THIS REPRESENTS TWICE THE AMOUNT OF SNOW PACK EVER RECORDED BEFORE. FOR EXAMPLE, KYLE CANYON SNOW COURSE CURRENTLY HAS 139 INCHES OF SNOW CONTAINING 45.7 INCHES OF WATER. THE MAXIMUM EVER MEASURED BEFORE WAS 70 INCHES OF SNOW CONTAINING 26.4 INCHES OF WATER. THE UPPER MEADOW VALLEY WASH AREA SIMILARLY HAS A RECORD SNOW COVER. SNOW IN THE AUSTIN AREA IS CURRENTLY 184 PERCENT OF AVERAGE.

SMALL STREAMS IN THE AREA ARE EXPECTED TO FLOW VERY HIGH THIS SPRING. THE VIRGIN RIVER IS FORECAST AT 124,000 ACRE-FEET FOR THE APRIL-JUNE PERIOD, WHICH IS 326 PERCENT OF AVERAGE.

**STORAGE (1,000 Ac. Ft.)**

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Mohave	1,810	1,663	1,637	1,697
Mead	27,220	15,464	14,614	16,416

**NOTE:**

All averages based on 1953-67, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted.  
 a-Aerial marker; water content estimated. \* 1953-67 adjusted average.

**APRIL - JULY RUNOFF (1,000 Ac. Ft.)**

FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	MEASURED AVERAGE
Virgin at Virgin, Utah	124	51	38
April-June forecast by SCS, Salt Lake City, Utah			

**SNOW**

March 1, 1969

SNOW COURSE	CURRENT INFORMATION			PAST RECORD		
	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)
					LAST YEAR	AVERAGE
<b>AUSTIN SCD</b>						
Big Creek Campground	6600	2/27	18	3.4	0.5	1.6
Big Creek Mine	7600	2/27	26	6.0	2.3	3.5 *
Upper Big Creek	7800	No Survey			4.0	4.9 *
<b>TONOPAH SCD</b>						
Lower Corral	7500	No Survey			1.0	1.2
Upper Corral	8500	No Survey			4.1	4.1 *
<b>ESMERALDA SCD</b>						
Campito Mountain	10200	3/1	54	17.8	1.7	5.4 *
Chiatovich Flat	10500	2/27	36	11.2a	1.0a	---
Montgomery Pass	7100	2/28	31	9.0	0.0	1.0 *
Pinchot Creek	9300	2/27	19	5.5a	0.0a	5.1 *
Piute Pass	11700	2/27	54	17.8a	0.0a	6.2 *
<b>VEGAS VALLEY SCD</b>						
Clark Canyon	9000	Est.	90	30.0	7.5	5.8
Kyle Canyon	8200	2/28	139	45.7	8.6	7.1
Lee Canyon #2	9000	Est.	92	30.1	7.4	7.2
Lee Canyon #3	8400	2/28	88	28.2	8.8	5.3 *
Rainbow Canyon #2	8100	2/28	137	45.0	13.1	10.9
Trough Springs	8500	Est.	91	31.5	3.9	4.6
<b>MEADOW VALLEY SCD</b>						
Mathew Canyon	6200	Est.	34	9.0	0.3	1.2
Pine Canyon	6000	Est.	37	11.0	1.2	1.4

# WATER SUPPLY OUTLOOK

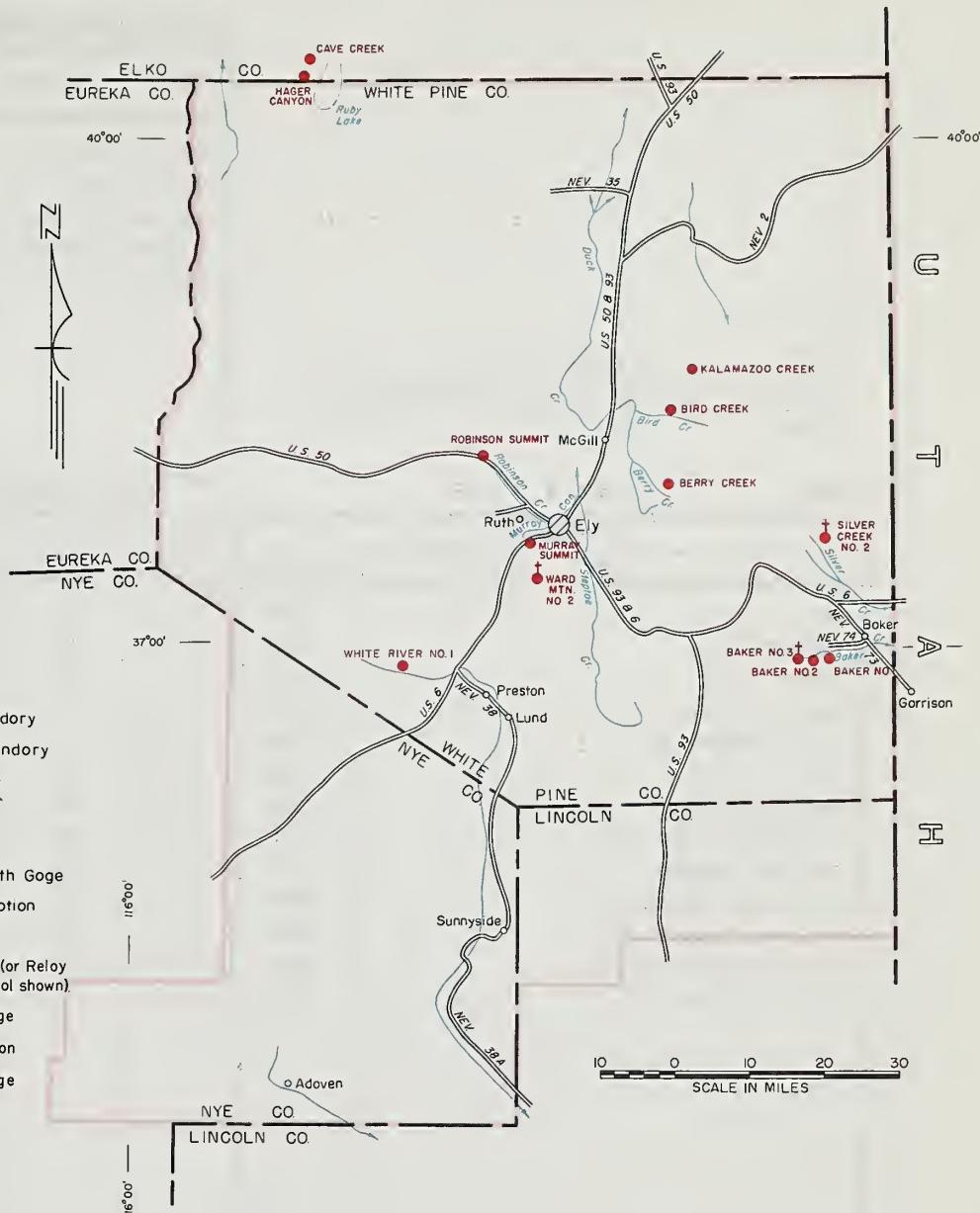
WHITE PINE S.C.D., WHITE PINE, LINCOLN & NYE COUNTIES, NEVADA



## LEGEND

- Watershed Boundary
- S. C. District Boundary
- County Boundary
- ▲ Forecast Point
- Snow Course
- † Aerial Snow Depth Gage
- Soil Moisture Station
- Snow Pillow
- ⚡ Radio Telemetry (or Relay if no other symbol shown)
- ▣ Temperature Gage
- Radio Base Station
- Precipitation Gage

Report prepared by  
D. W. McANDREW and H. E. MALSOR, Jr.  
U.S.D.A.-SOIL CONSERVATION SERVICE  
P.O. Box 4850, Reno, Nevada  
In cooperation with  
NEVADA DEPT. OF CONSERVATION  
AND NATURAL RESOURCES



MARCH 1, 1969

WHITE PINE, LINCOLN, AND NYE COUNTIES ARE EXPECTED TO HAVE A VERY GOOD WATER SUPPLY THIS YEAR. MARCH 1 SNOW SURVEYS INDICATE THAT THIS YEAR'S SNOW PACK IS CURRENTLY 180 PERCENT OF AVERAGE.

SNOW COURSES THAT INDICATE THE WATER SUPPLY POTENTIAL FOR THE RUBY WILDLIFE REFUGE ARE CURRENTLY ABOVE 150 PERCENT OF NORMAL.

WITH THE EXCELLENT SNOW COVER IN THE AREA, SMALL STREAMS ARE EXPECTED TO HAVE VERY GOOD EARLY SEASON FLOWS. WATER SUPPLIES SHOULD REMAIN EXCELLENT WELL INTO THE SUMMER SEASON.

WATER SUPPLY OUTLOOK expressed "Poor,Avg,Good"

STREAM	FLOW PERIOD	
	April May	June Thru Sept.
Baker Creek	Good	Good
Duck Creek	Good	Good
Lehman Creek	Good	Good
Silver Creek	Good	Good
White River	Good	Good

**NOTE:**

All averages based on 1953-67, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted.  
a-Aerial marker; water content estimated. \* 1953-67 adjusted average.

**SNOW**

March 1, 1969

SNOW COURSE	CURRENT INFORMATION			PAST RECORD		
	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)
					LAST YEAR	AVERAGE
Baker #1	7950	2/27	63	14.5	7.2	5.1
Baker #2	8950	2/27	92	23.1	11.8	11.9
Baker #3	9250	3/1	84	21.8a	11.9a	13.6
Berry Creek	9100	2/28	77	21.1	10.0	11.1
Bird Creek	7500	2/28	27	5.7	3.0	3.5
Cave Creek	7500	2/27	61	20.5	5.3	11.9
Hager Canyon	8000	2/27	71	22.8	11.0	16.4
Kalamazoo Creek	7400	3/4	46	10.0	6.0	6.0 *
Murray Summit	7250	3/3	46	12.0	T	2.5
Robinson Summit	7600	3/4	25	7.0	T	2.1
Silver Creek #2	8000	3/1	40	10.4a	6.1a	4.8 *
Ward Mountain #2	8900	3/1	36	9.4a	5.4a	8.2 *
White River #1	7400	3/3	50	13.0	0.0	2.3 *

## LEGEND

# **WATER SUPPLY OUTLOOK**

CLOVER & RUBY S.C.D.'S., ELKO COUNTY, NEVADA

### Watershed Boundary

### S.C. District Boundary

### County Boundary

## Forecast Paint

## Snow Course

### Aerial Snow Depth Gage

### Soil Moisture Stotian LOWER

### Snow Pillow

### Radio Telemetry (or Relay

if no other symbol

## Temperature Gage

## Radio Base Station

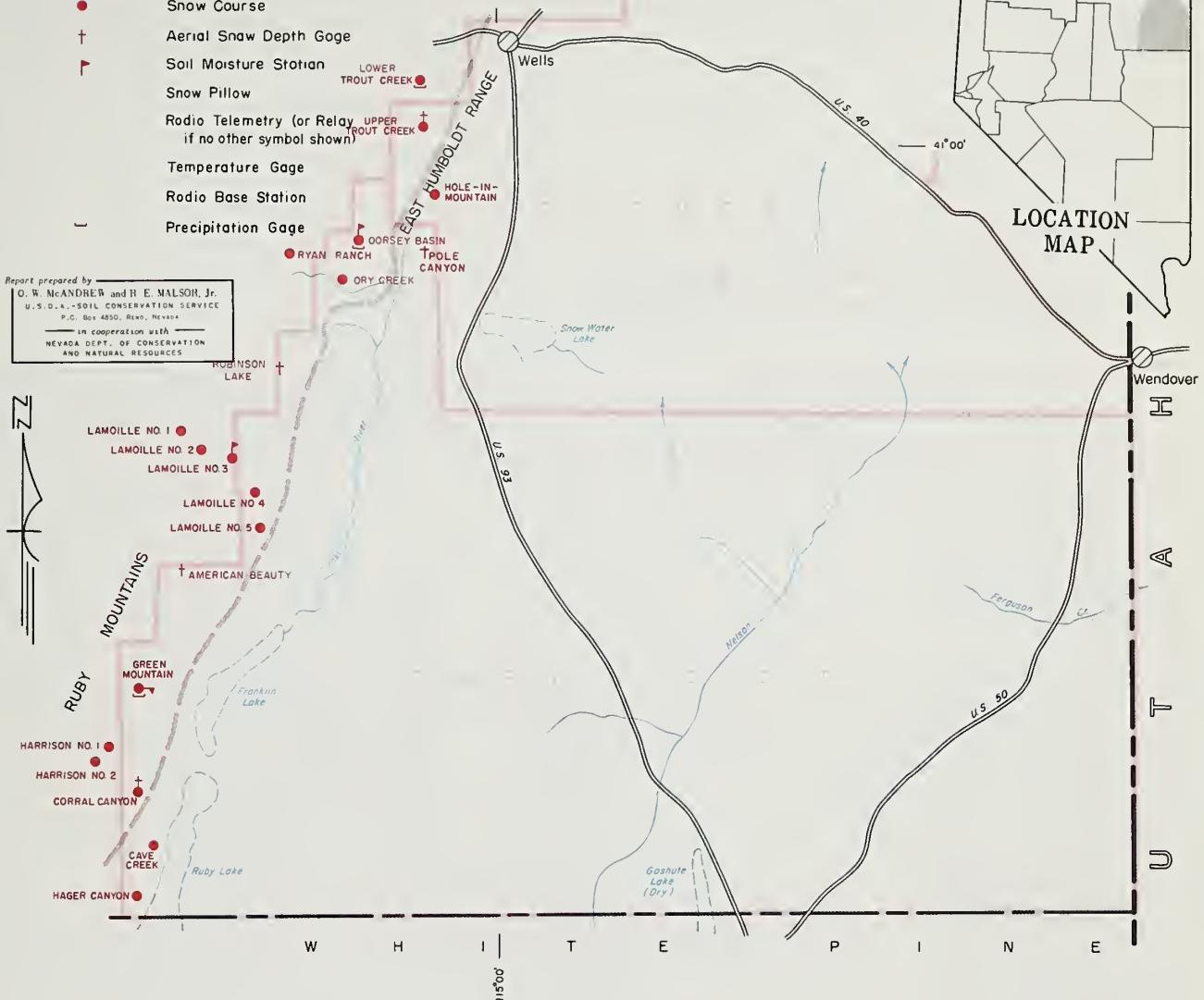
## Precipitation Gage

RY

ANSWER

ON SERVICE

A horizontal scale bar with tick marks every 1 mile. The labels are 0, 10, and 20. Below the bar is the text "SCALE IN MILES".



MARCH 1, 1969

THE 1969 WATER SUPPLY OUTLOOK FOR CLOVER AND RUBY SCD'S IS EXCELLENT.

THE MOUNTAIN SNOW PACK IS 140 PERCENT OF NORMAL FOR THIS DATE.  
SNOW COURSES IN THE RUBY LAKE AREA ARE INDICATING 150 PERCENT  
OF AVERAGE SNOW PACK.

MOUNTAIN SOILS ARE WET AND THE VALLEY SOILS ARE REPORTED TO BE IN GOOD CONDITION, WITH SOME SNOW COVER. THESE FACTORS SHOULD GIVE THE RANGE LAND GRASSES A GOOD START THIS YEAR.

STREAMFLOW IN THE AREA IS EXPECTED TO START EARLY WITH THE MELT OF THE LOW-ELEVATION SNOW AND REMAIN ABOVE AVERAGE WELL INTO THE SUMMER MONTHS.

**WATER SUPPLY OUTLOOK expressed "Poor,Avg,Good"**

STREAM	FLOW PERIOD	
	April May	June Thru Sept.
Franklin River	Good	Good

**NOTE:**

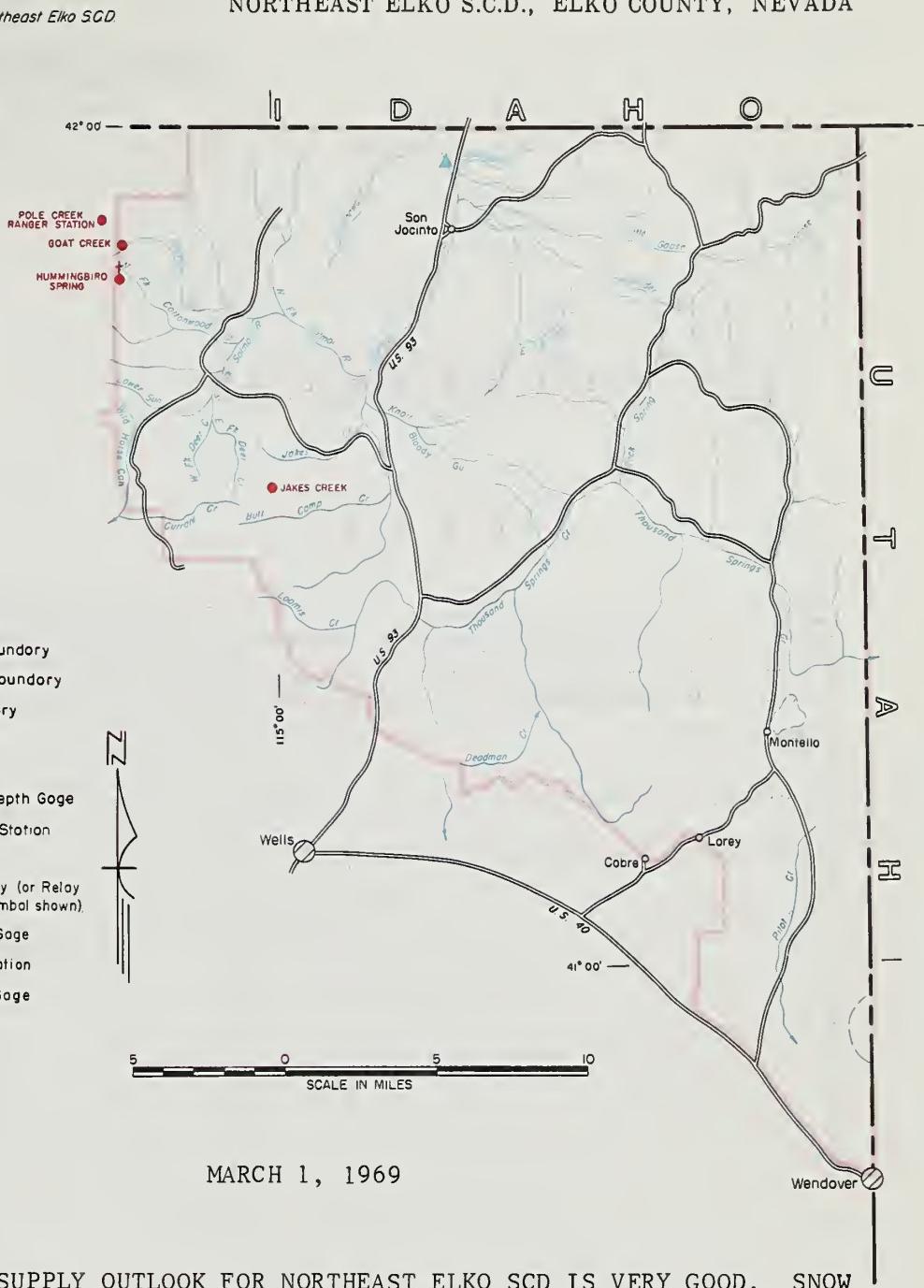
All averages based on 1953-67, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted.  
a-Aerial marker; water content estimated. \* 1953-67 adjusted average.

**SNOW**      March 1, 1969

SNOW COURSE	CURRENT INFORMATION			PAST RECORD		
	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)
					LAST YEAR	AVERAGE
American Beauty	7800	2/27	48	15.4a	3.3a	
Cave Creek	7500	2/27	61	20.5	4.8	11.9
Corral Canyon	8500	3/05	73	22.0	7.7a	13.8 *
Dorsey Basin	8100		No survey		6.3	9.5
Dry Creek	6500		No survey		0.0	3.8
Green Mountain	8000	3/03	65	18.5	6.7	10.6 *
Hager Canyon	8000	2/27	71	22.8	10.6	16.4
Harrison Pass #1	6600		No survey		0.0	3.8
Harrison Pass #2	7400		No survey		0.0	5.1
Hole-in-Mountain	7900	3/01	64	22.2	10.5	17.5 *
Lamoille #1	7100	2/25	53	15.0	3.6	8.3
Lamoille #2	7300	2/25	48	14.9	3.7	7.7
Lamoille #3	7700	2/24	52	16.6	7.2	10.0
Lamoille #4	8000	2/24	56	16.3	10.5	15.0
Lamoille #5	8700	2/24	84	26.6	17.8	21.8
Pole Canyon	9140	2/27	36	11.2a	11.6a	
Ryan Ranch	5800		No survey		0.0	1.6
Trout Creek, Lower	6900		No survey		T	2.7 *
Trout Creek, Upper	8500	2/27	48	15.4	4.2a	14.0 *
Robinson Lake	9200	2/27	94	32.0a	15.6a	

# WATER SUPPLY OUTLOOK

NORTHEAST ELKO S.C.D., ELKO COUNTY, NEVADA



THE 1969 WATER SUPPLY OUTLOOK FOR NORTHEAST ELKO SCD IS VERY GOOD. SNOW SURVEYS TAKEN NEAR THE FIRST OF MARCH INDICATE THAT THE SNOW COVER IS ABOUT 140 PERCENT OF THE 1953-67 AVERAGE FOR MARCH. THE CURRENT SNOW PACK REPRESENTS ABOUT 180 PERCENT OF THE SNOW COVER ON THE GROUND LAST YEAR AT THIS TIME.

THE GOOD LOW-ELEVATION SNOW WILL INSURE ABOVE-NORMAL EARLY-SEASON FLOWS ON TRIBUTARY STREAMS THIS YEAR.

SALMON FALLS CREEK IS FORECAST TO FLOW 105,000 ACRE-FEET FOR THE MARCH-JULY PERIOD; THIS AMOUNT REPRESENT 158 PERCENT OF THE QUANTITY NORMALLY EXPECTED.

**APRIL - JULY RUNOFF (1,000 Ac. Ft.)**

FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	MEASURED AVERAGE
Salmon Falls Creek near San Jacinto  March-July	105	158	67

**NOTE:**

All averages based on 1953-67, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted.  
a-Aerial marker; water content estimated. \* 1953-67 adjusted average.

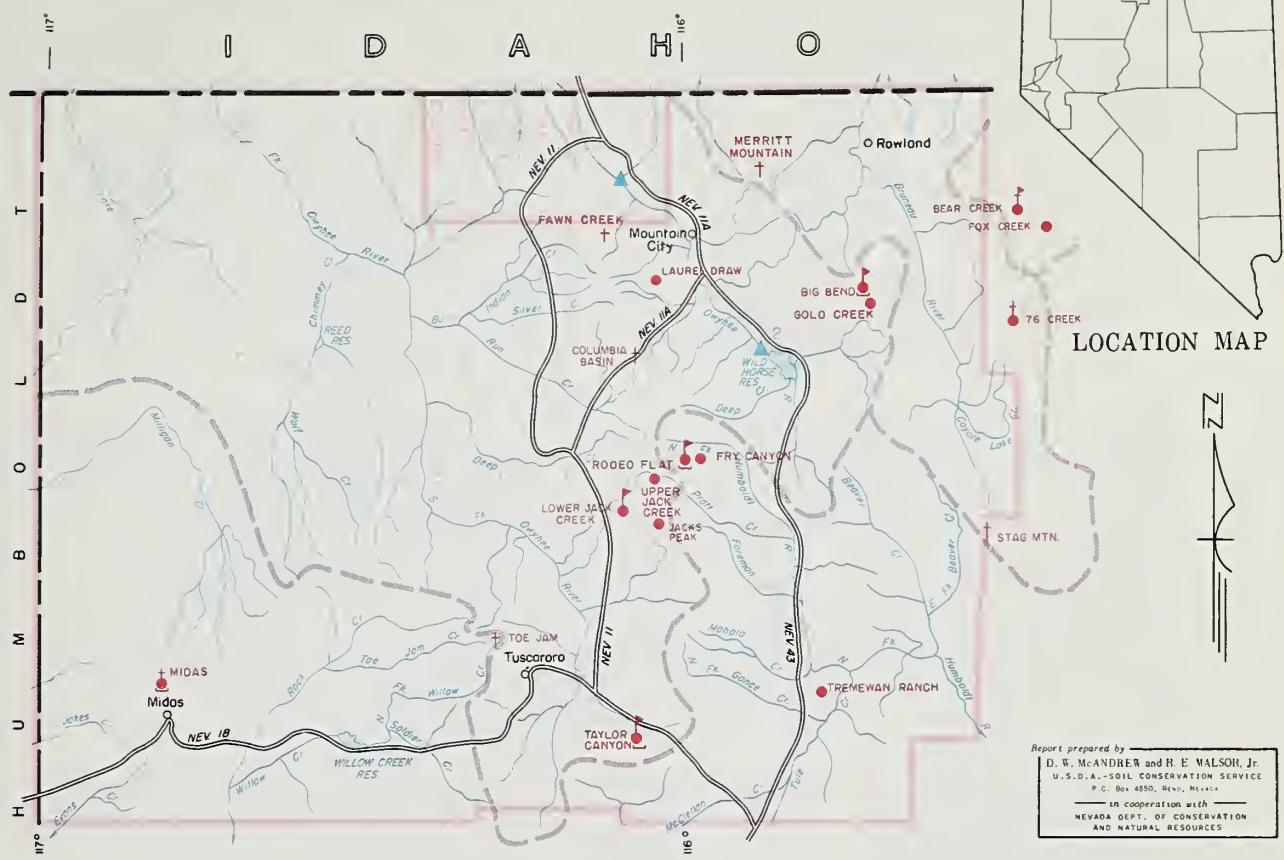
**SNOW**

March 1, 1969

SNOW COURSE NAME	ELEVATION	CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (inches)	WATER CONTENT (inches)	LAST YEAR	AVERAGE
Goat Creek	8800	2/28	68	21.0	11.8	14.9 *
Hummingbird Springs	8945	2/28	87	26.5	13.4	17.5 *
Pole-Creek Ranger Station	8330	2/28	62	19.6	12.2	15.3 *
Red Point	7940	2/28	21	6.3a	7.0a	9.5 *

# WATER SUPPLY OUTLOOK

DUCK VALLEY & Owyhee S.C.D.'s. ELKO COUNTY, NEVADA



Report prepared by  
D. W. McANDREW and H. E. MALLOR, Jr.  
U.S.D.A.-SOIL CONSERVATION SERVICE  
P.O. Box 4850, Reno, Nevada  
In cooperation with  
NEVADA DEPT. OF CONSERVATION  
AND NATURAL RESOURCES

## LEGEND

5 0 5 10 15  
SCALE IN MILES

- Forecast Point
- Snow Course
- ✚ Aerial Snow Depth Gage
- ▶ Sail Moisture Station
- Precipitation Gage
- Temperature Gage
- Radio Base Station
- Watershed Boundary
- S.C. District Boundary
- County Boundary
- Snow Pillow
- Radio Telemetry (or Relay if no other symbol shown).

MARCH 1, 1969

DUCK VALLEY AND Owyhee SCD's ARE EXPECTED TO HAVE EXCELLENT WATER SUPPLIES THIS YEAR. THE SNOW PACK IS AVERAGING ABOUT 190 PERCENT OF THE QUANTITY USUALLY EXPERIENCED BY THE FIRST OF MARCH.

WATERSHED SOILS ARE WELL PRIMED THROUGHOUT THE AREA. VALLEY AND LOWER-ELEVATION SOILS ARE ALSO WET AND COVERED WITH A BLANKET OF SNOW.

STREAMFLOW FORECASTS ON THE Owyhee River INDICATE BETTER THAN TWICE THE AVERAGE FLOW IS EXPECTED THIS SEASON. SMALL STREAMS IN THE AREA ALSO WILL FLOW VERY HEAVY THIS SEASON.

## STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Wild Horse	b	2	6	15
b Reservoir under construction; usable capacity held to 17,000 acre-feet.				

NOTE:

All averages based on 1953-67, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. \* 1953-67 adjusted average.

## APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	MEASURED AVERAGE
1. Owyhee River near Owyhee **	124	14	60
2. Owyhee River near Gold Creek **	32	2	16

\*\* Corrected for change in storage in Wild Horse Reservoir.

## SNOW

March 1, 1969

SNOW COURSE	CURRENT INFORMATION			PAST RECORD		
	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)
					LAST YEAR	AVERAGE
Bear Creek	7800	2/28	75	26.2	13.2	15.3 *
Big Bend	6700	2/24	40	11.6	2.9	6.9
Columbia Basin	6650	2/27	48	15.4a	0.0a	---
Fawn Creek	7000	2/27	36	10.8a	T a	---
Fox Creek	6800	2/28	49	14.4	5.8	7.9
Fry Canyon	6700	No survey			0.0	6.0
Gold Creek	6600	2/24	24	6.7	0.0	4.7
Jack Creek, Upper	7250	2/27	36	11.2a	2.2a	8.0
Laurel Draw	6700	2/26	40	11.0	2.2	6.2 *
Merritt Mountain	7800	2/27	36	11.2a	---	---
Midas	7200	2/27	36	11.2a	T a	2.5 *
Rodeo Flat	6800	No survey			0.0	5.5
76 Creek	7100	2/28	50	16.6	7.0	9.1 *
Stag Mountain	7700	2/27	36	11.2a	2.9a	---
Taylor Canyon	6200	2/28	38	10.3	0.0	4.2
Toe Jam	7700	2/27	60	19.8a	5.0a	---
Tremewan Ranch	5700	2/28	18	4.4	0.0	1.1

## SOIL MOISTURE

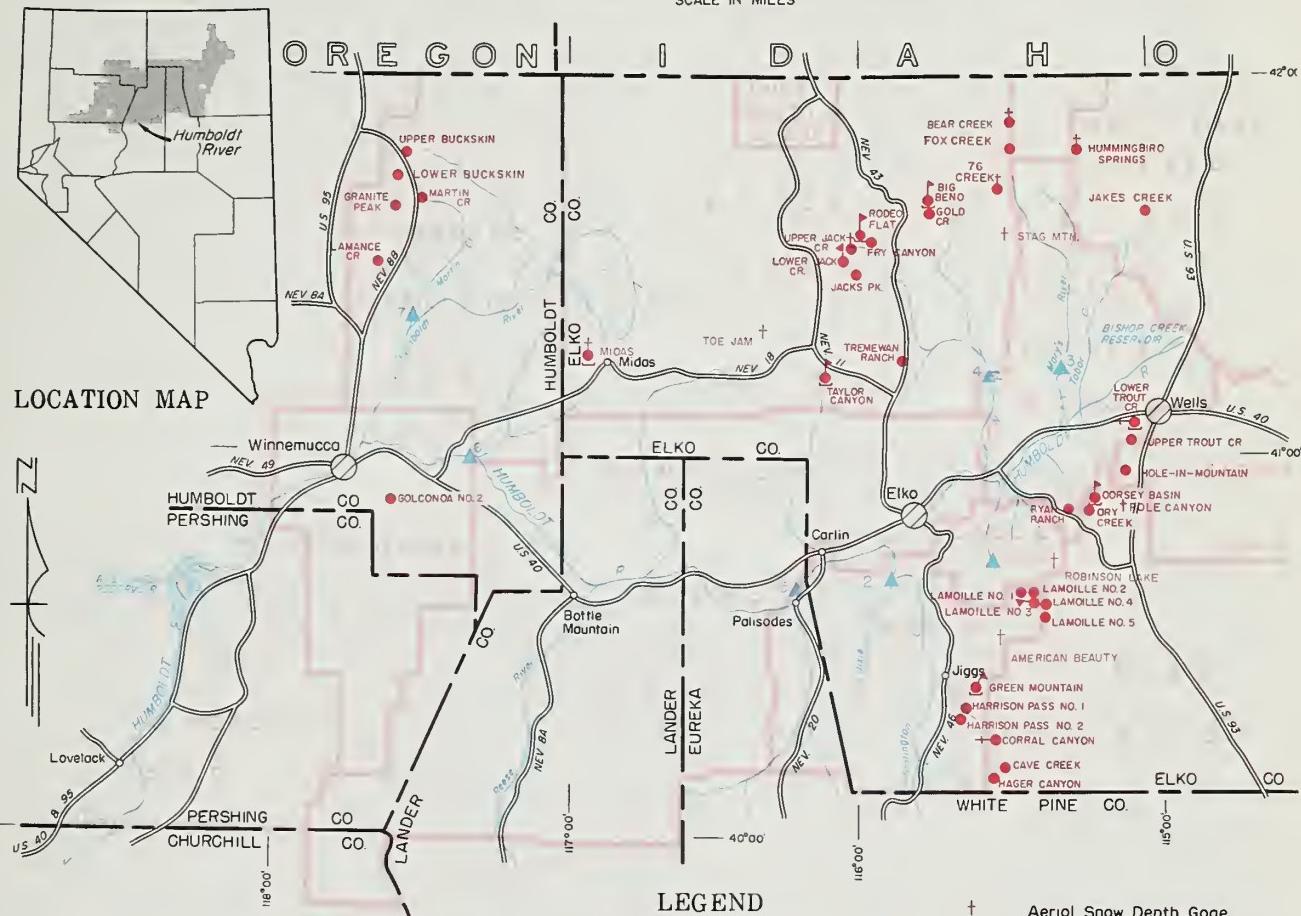
STATION	PROFILE (Inches)			SOIL MOISTURE (Inches)		
	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION					
Bear Creek	7800	72	16.9	2/28	11.9	---
Big Bend	6700	48	16.7	1/28	16.2	15.5
Rodeo Flat	6800	42	11.0	1/29	11.0	10.9
Taylor Canyon	6200	48	15.1	1/28	13.0	14.6

# WATER SUPPLY OUTLOOK

HUMBOLDT RIVER

CHURCHILL, ELKO, EUREKA, HUMBOLDT, LANDER & PERSHING COUNTIES, NEVADA

25 0 25 50  
SCALE IN MILES



MARCH 1, 1969

THE 1969 WATER SUPPLY OUTLOOK FOR THE LOVELOCK VALLEY IS EXCELLENT. WATER CONTENT OF THE SNOW PACK FOR THE ENTIRE HUMBOLDT BASIN IS 166 PERCENT OF AVERAGE. MANY COURSES NORTH OF WINNEMUCCA ARE NEAR, OR AT, A RECORD DEPTH FOR THIS DATE.

WATERSHED SOILS UNDER THE MOUNTAIN SNOW PACK ARE WELL PRIMED. VALLEY SOILS ARE ALSO REPORTED TO BE IN GOOD SHAPE AND, IN SOME CASES, COVERED WITH A BLANKET OF SNOW. WHERE THE SNOW HAS ACCUMULATED TO DEPTHS OF A FOOT OR SO, SEVERAL DAYS OF WARM WEATHER CAN CREATE LOCAL HIGH WATER IN POOR DRAINAGE AREAS AT ANY TIME DURING MARCH OR APRIL.

STREAMFLOW FOR THE APRIL-JULY PERIOD IS FORECAST TO BE ABOUT TWICE NORMAL. SPECIFICALLY, THE HUMBOLDT RIVER AT PALISADE IS FORECAST TO FLOW 320,000 ACRE-FEET, WHICH IS 211 PERCENT OF AVERAGE. WATER USERS ON NATURAL STREAMFLOW ARE EXPECTED TO HAVE ABUNDANT SUPPLIES FOR THE SPRING AND SUMMER 1969 SEASON.

# STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Rye Patch	179	42	60	74

NOTE:

All averages based on 1953-67, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted.  
a-Aerial marker; water content estimated. \* 1953-67 adjusted average.

# APRIL - JULY RUNOFF (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR	MEASURED AVERAGE
1. Lamoille Creek near Lamoille	35	27	25
2. S. Fk. Humboldt River near Elko	115	41	58
3. Marys River above Hot Springs Creek	52	13	28
4. No. Fk. Humboldt at Devil's Gate	50	4	26
5. Humboldt River at Palisade	320	81	154
6. Humboldt River at Comus	230	54	110
7. Martin Creek near Paradise Valley	32	5	14

# SNOW

March 1, 1969

SNOW COURSE	CURRENT INFORMATION			PAST RECORD	
	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)
					LAST YEAR
Big Bend	6700	2/24	40	11.6	2.9
Fawn Creek	7000	2/27	36	10.8a	T a
Fry Canyon	6700	No survey			0.0
Gold Creek	6600	2/24	24	6.7	0.0
Rodeo Flat	6800	No survey			0.0
76 Creek	7100	2/28	50	16.6	7.0
Stag Mountain	7700	2/27	36	11.2a	2.9a
Taylor Canyon	6200	2/28	38	10.3	0.0
Tremewan Ranch	5700	2/28	18	4.4	0.0
American Beauty	7800	2/27	48	15.4a	3.3a
Cave-Creek	7500	2/27	61	20.5	5.3
Corral Canyon	8500	3/05	73	22.0	7.7a
Dorsey Basin	8100	No survey			6.3
Dry Creek	6500	No survey			0.0
Green Mountain	8000	3/03	65	18.5	6.7
Hager Canyon	8000	2/27	71	22.8	11.0
Harrison Pass #1	6600	No survey			0.0
Harrison Pass #2	7400	No survey			0.0
Hole-in-Mountain	7900	3/01	64	22.2	10.5
Lamoille #1	7100	2/25	53	15.0	3.5
Lamoille #2	7300	2/25	48	14.9	3.7
Lamoille #3	7700	2/24	52	16.6	7.2
Lamoille #4	8000	2/24	56	16.3	10.5
Lamoille #5	8700	2/24	84	26.6	17.8
Pole Canyon	9140	2/27	36	11.2a	11.6a
Robinson Lake	9200	2/27	94	32.0a	15.6a
Ryan Ranch	5800	No survey			0.0
Tent Mountain #1	8500	2/29	66	21.1a	9.8a
Tent Mountain #2	7200	No survey			0.0a
Trout Creek, Lower	6900	No survey			T
Trout Creek, Upper	8500	2/27	96	30.8a	4.2
Golconda #2	6000	2/27	38	11.0	T
Midas	7200	2/27	36	11.2a	T

# WATER SUPPLY OUTLOOK

KINGS RIVER, PARADISE VALLEY & QUINN RIVER S.C.D.'S.  
HUMBOLDT COUNTY, NEVADA



LOCATION MAP

10 0 10 20  
SCALE IN MILES

## LEGEND

- Watershed Boundary
- S. C. District Boundary
- County Boundary
- Forecast Point
- Snow Course
- Aerial Snow Depth Gage

Soil Moisture Station

Snow Pillar

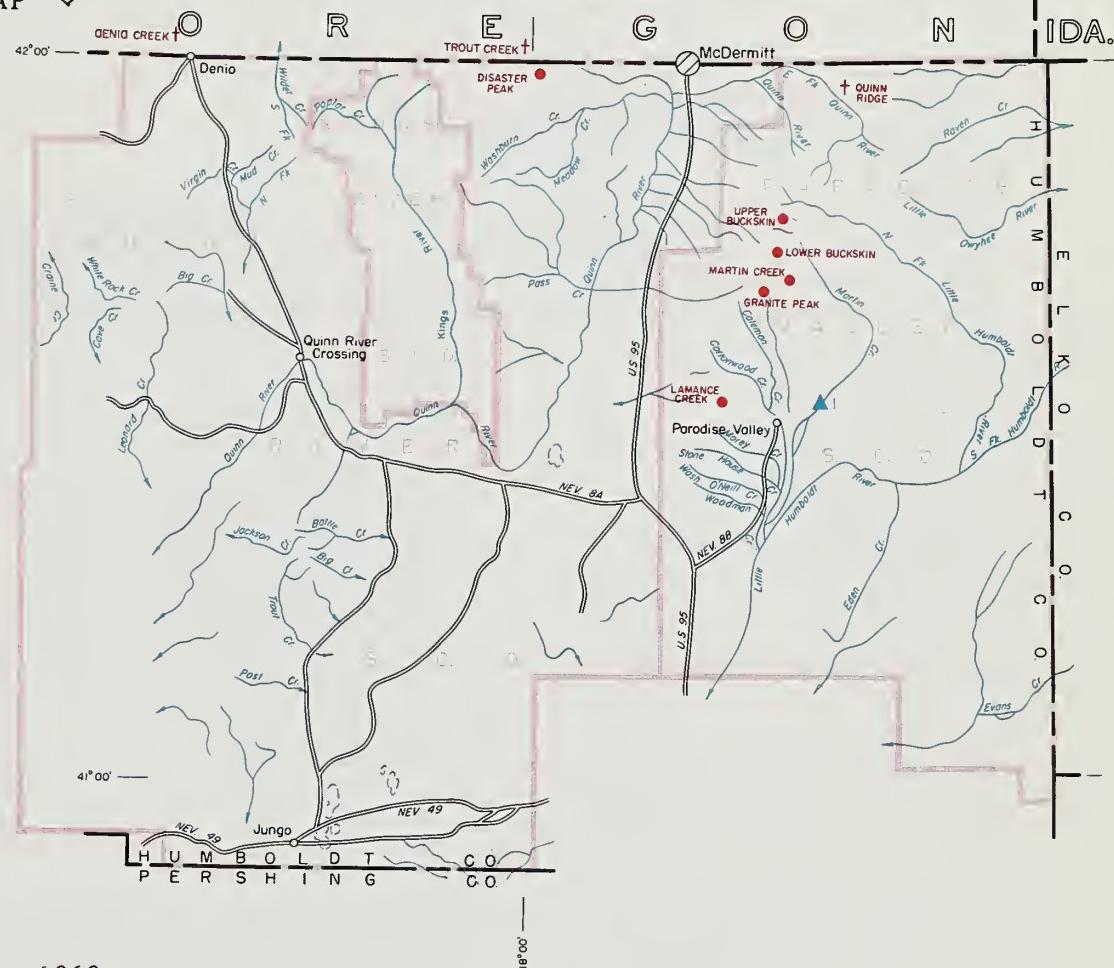
Radio Telemetry (or Relay  
if no other symbol shown)

Temperature Gage

Radio Base Station

Precipitation Gage

Report prepared by  
D. W. McANDREW and H. E. MALSON, Jr.  
U.S.D.A.-SOIL CONSERVATION SERVICE  
P.O. Box 4850, Reno, Nevada  
In cooperation with  
NEVADA DEPT. OF CONSERVATION  
AND NATURAL RESOURCES



MARCH 1, 1969

THE WATER SUPPLY OUTLOOK FOR PARADISE VALLEY AND THE MC DERMITT AREA IS EXCELLENT. THE MARCH 1 SNOW COVER IS 222 PERCENT OF AVERAGE FOR THIS DATE. THIS YEAR'S SNOW PACK REPRESENTS 405 PERCENT OF THE AMOUNT RECEIVED LAST YEAR IN THIS AREA. MANY SNOW COURSES ARE NEAR THE ALL-TIME RECORD SET IN APRIL OF 1952. MORE SNOW WAS MEASURED AT GRANITE PEAK SNOW COURSE THAN ANY TIME SINCE 1932.

MARTIN CREEK IS FORECAST TO FLOW 32,000 ACRE-FEET, OR 228 PERCENT OF AVERAGE FOR THE APRIL-JULY PERIOD. OTHER STREAMS IN THE AREA ARE EXPECTED TO HAVE HIGH EARLY FLOWS WHICH WILL REMAIN WELL ABOVE AVERAGE INTO THE SUMMER MONTHS.

**STORAGE (1,000 Ac. Ft.)**

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	AVERAGE
Rye Patch	179	42	60	74

**APRIL - JULY RUNOFF (1,000 Ac. Ft.)**

FORECAST POINT	FORECAST THIS YEAR	MEASURED	
		LAST YEAR	AVERAGE
1. Martin Creek near Paradise Valley	32	5	14
2. Humboldt River at Palisade	320	81	154
3. Humboldt River at Comus	230	54	110

**NOTE:**

All averages based on 1953-67, 15 year period. Forecast period is April 1 through July 31 unless otherwise noted.  
a-Aerial marker; water content estimated. \* 1953-67 adjusted average.

**SNOW**

March 1, 1969

SNOW COURSE	CURRENT INFORMATION			PAST RECORD	
	NAME	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)
Buckskin, Lower	6700	2/25	45	13.5	3.0 6.7
Buckskin, Upper	7200	2/25	36	12.1	4.4 7.2 *
Disaster Peak	6500	3/1	70	29.0	3.4 12.6
Denio Creek	6000	2/27	9	2.9	0.0a 0.5 *
Granite Peak	7800	3/3	64	24.3	11.0 10.7
Lamance Creek	6000	3/3	48	17.9	2.0 7.5
Louse Canyon (Oregon)	6440	2/27	30	8.7a	0.0a 3.1 *
Martin Creek	6700	2/24	61	19.8	5.2 7.8
Quinn Ridge	6300	2/27	14	4.2a	0.0a 2.3 *
Trout Creek (Oregon)	7800	2/27	38	12.5a	9.3a 6.3
Oregon Canyon (Oregon)	7240	2/27	37	10.7a	T 5.2

# WATER SUPPLY OUTLOOK

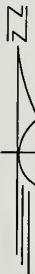
VYA & GERLACH S.C.D.'S., NEVADA and SURPRISE VALLEY S.C.D., CALIFORNIA



LOCATION MAP

Report prepared by  
D. W. McANDREW and R. F. MALSON, Jr.  
U.S.D.A.-SOIL CONSERVATION SERVICE  
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NEVADA DEPT. OF CONSERVATION  
AND NATURAL RESOURCES

10 0 10 20  
SCALE IN MILES



## LEGEND

- Watershed Boundary
- S. C. District Boundary
- County Boundary
- Forecast Point
- Snow Course
- Aeriel Snow Depth Goge
- Soil Moisture Station
- Snow Pillow
- Radio Telemetry (or Reloy if no other symbol shown).
- Temperuture Goge
- Radio Base Station
- Precipitation Goge

MARCH 1, 1969

THE 1969 WATER SUPPLY OUTLOOK IS EXCELLENT FOR THE SURPRISE VALLEY AREA. MARCH 1 SNOW SURVEYS INDICATE THE SNOW COVER ON THE SURPRISE VALLEY STREAMS IS 191 PERCENT OF AVERAGE FOR THIS DATE. THIS REPRESENTS ALMOST 300 PERCENT OF THE SNOW COVER IN THE AREA LAST YEAR. CEDAR PASS SNOW COURSE, WHICH IS ONE OF THE OLDEST COURSES IN THE AREA, CURRENTLY HAS 66 INCHES OF SNOW CONTAINING 21.0 INCHES OF WATER. THIS AMOUNT HAS BEEN EXCEEDED ONLY TWICE ON THE MARCH 1 SNOW SURVEYS SINCE 1945.

STREAMFLOW FORECASTS FOR THE APRIL THROUGH JULY PERIOD RANGE FROM 140 PERCENT OF AVERAGE, OR 6,600 ACRE-FEET, ON MILL CREEK TO 165 PERCENT OF THE 15-YEAR NORMAL, WHICH IS 19,000 ACRE-FEET, ON BIDWELL CREEK.

SIMILARLY, DEEP CREEK IS EXPECTED TO FLOW 5,000 ACRE-FEET AND EAGLE CREEK WILL FLOW 6,900 ACRE-FEET FOR THE APRIL THROUGH JULY PERIOD.

**APRIL - JULY RUNOFF (1,000 Ac. Ft.)**

FORECAST POINT	FORECAST THIS YEAR	MEASURED LAST YEAR		AVERAGE
Bidwell Creek near Fort Bidwell	19.0	4.0		11.5
Mill Creek above all diversions	6.6	1.9		4.7
Deep Creek above all diversions	5.0	1.1		3.3
Eagle Creek near mouth of canyon	6.9	2.4		4.3

**NOTE:**

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a-Aerial marker; water content estimated. \* 1953-67 adjusted average.

**SNOW**

March 1, 1969

SNOW COURSE NAME	ELEVATION	CURRENT INFORMATION			PAST RECORD	
		DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	LAST YEAR	AVERAGE
Bald Mountain	6720	2/28	28	8.4	1.0	3.1
Barber Creek (Calif.)	6500	2/26	54	17.9	8.2	9.4*
Cedar Pass (Calif.)	7100	2/27	66	21.0	10.6	12.2
Dismal Swamp (Oregon)	7000	2/26	60	19.8a	10.5	13.4*
49 Mountain	6000	2/25	31	8.8	1.1	3.9*
Hays Canyon	6400	2/26	31	9.7	1.4	3.4*
Little Bally Mountain	6000	2/26	22	6.6a	0.0	2.1*
Reservation Creek (Calif.)	5900	2/25	48	16.1	4.4	9.2*

## Agencies Cooperating in Collecting Data Contained in this Bulletin

### FEDERAL

Agricultural Research Service  
Army  
Bureau of Reclamation  
Fish and Wildlife Service  
Forest Service  
Geological Survey  
Navy  
Soil Conservation Service  
U.S. District Court - Federal Water Master  
Weather Bureau

### STATE

California Cooperative Snow Surveys  
California Department of Parks and Recreation  
California Department of Water Resources  
Colorado River Commission of Nevada  
Idaho Cooperative Snow Surveys  
Nevada Association of Soil Conservation Districts  
Nevada Cooperative Snow Surveys  
Nevada Department of Conservation & Natural Resources  
Division of Water Resources  
Nevada State Forester-Firewarden  
Oregon Cooperative Snow Surveys  
University of Nevada  
Utah Cooperative Snow Surveys  
White Mountain Research Station, Univ. of California

### PRIVATE

Amalgamated Sugar Company  
Kennecott Copper Corporation  
Nevada Irrigation District  
Owyhee Project North Board of Control  
Owyhee Project South Board of Control  
Pacific Gas & Electric Company  
Pershing County Water Conservation District  
Sierra Pacific Power Company  
Squaw Valley Development Company  
Truckee-Carson Irrigation District  
Walker River Irrigation District  
Washoe County Water Conservation District

Other organizations and individuals furnish valuable information for the snow survey reports. Their Cooperation is gratefully acknowledged.

UNITED STATES DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE  
P.O. Box 4850  
RENO, NEVADA 89505

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—  
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with the Snow Survey"*